

2003

Fire in Washington



*Prepared by the
Office of the State Fire Marshal*



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STATE OF WASHINGTON

WASHINGTON STATE PATROL

General Administration Building, PO Box 42600 - Olympia, Washington 98504-2600 — (360) 753-6540

July 1, 2004

Dear Partners in Fire Safety:

I am pleased to report that 344 of the 535, or 64%, of the fire agencies in Washington are now actively participating in the National Fire Incident Reporting System (NFIRS). This represents an increase of 14% over the previous year. The Washington State Fire Service is demonstrating their commitment to increasing public safety by providing accurate accounts of the incidents occurring throughout our state.

NFIRS data is quickly becoming recognized as a source of valuable information. In an effort to achieve timely reporting, fire agencies are encouraged to submit NFIRS data to the Office of the State Fire Marshal on a monthly basis. This enables statistics to be provided on an up-to-date basis.

Today, we are more prepared than ever before, to make informed decisions based on facts. As participation continues to grow we will gain insight into our state's fire problem.

Sincerely,

Chief Lowell M. Porter



Washington State Association of Fire Chiefs

P O Box 7964 Olympia, WA 98507-7964 (360) 352-0161 Fax: (360) 586-5868 Email: wsafc@wsafc.org

July 1, 2004

To Fire Service Leaders of Washington State:

The Washington State Association of Fire Chiefs recognizes and applauds the continuing efforts of each member of the fire service for your commitment to accurate data collection and timely reporting in Washington state. As your participation in the National Fire Incident Reporting System continues to increase, fire service leaders at the national level are recognizing the importance of quality data.

Strategic decisions are increasingly critical for quality public safety services, especially in the context of current significant fiscal pressures. Through your efforts and this system, informed decisions, which are based on reliable statistical information, are becoming a reality for all of us.

The Washington State Association of Fire Chiefs, in partnership with the Office of the State Fire Marshal, will continue to support the statewide collection and reporting of emergency incident data in order to more clearly articulate the challenges we face in serving the people of Washington state.

Sincerely,

A handwritten signature in black ink, appearing to read "JB", with a long horizontal flourish extending to the right.

James M. Broman, President

Washington State Association of Fire Chiefs



Washington State Fire Clock

Frequency of Responses as Reported in 2003

Includes data from the 344 NFIRS reporting agencies and summary data from Seattle.

*One Fire Department response every
1.1 minute.*

*One fire incident reported every
18.6 minutes.*

*One structure fire is reported
every **1.3 hours.**
*Based on NFIRS data only.**

*One EMS/Rescue incident
reported every **1.6 minutes.***

*One arson fire reported
every **5.5 hours.**
*Based on NFIRS data only.**

*Dollar loss as a result of fire:
\$371,353 per day
\$15,473 per hour
\$257 per minute*

Incident Overview

In 2003, 344 of the 535 fire agencies reported emergency response data to the Office of the State Fire Marshal. The 28,217 reported fire incidents resulted in more than \$135 million in dollar loss. Tragically, fire claimed the lives of 43 victims last year. It is imperative that the fire safety message continue to be shared so residents know how to prevent fire from occurring in places where they live, work, and play.

<i>NFIRS 5.0</i>				
<i>Incident Category</i>	<i>2002 Incidents 273 Reporting Agencies</i>	<i>2003 Incident 344 Reporting Agencies</i>	<i>Change</i>	<i>% of Change</i>
Fire	14,271	23,911	9,640	68%
Rescue & Emergency Medical Service	101,217	255,915	154,698	153%
Overpressure Rupture, Explosion, Overheat	511	780	269	53%
Hazardous Condition (No Fire)	6,121	10,706	4,585	75%
Service Calls	11,554	24,529	12,975	112%
Good Intent Calls	18,122	32,508	14,386	79%
False Alarm & False Calls	4,306	7,335	3,029	70%
Fire Protection System Malfunction	5,413	8,813	3,400	63%
Unintentional Fire Protection System Activation	8,704	13,629	4,925	57%
Severe Weather & Natural Disaster	122	545	423	347%
Other Types of Incident	879	3,368	2,489	283%
Undetermined	95	235	140	147%
Grand Total	171,315	382,274	210,959	123%
Total Dollar Loss as a Result of Fire	\$93,196,127	\$117,403,400	\$24,207,273	26%
<i>Summary of Seattle's Data</i>				
<i>Incident Category</i>	<i>2002 Incidents*</i>	<i>2003 Incidents</i>	<i>Change</i>	<i>% of Change</i>
Rescue & EMS Calls	55,594	57,411	1,817	3%
False Alarms & False Calls	5,084	5,325	241	5%
Good Intent Calls	1,916	1,256	-660	-34%
Service Calls	3715	3248	-467	-13%
Fire Responses	2,131	4,306	2,175	102%
Hazardous Conditions	686	725	39	6%
Dollar Loss	\$27,874,071	\$18,140,758	-\$9,733,313	-35%
Grand Total	69,126	72,271	3,145	5%
<i>Summary</i>				
<i>Incident Category</i>	<i>2002 Incidents</i>	<i>2003 Incidents</i>	<i>Change</i>	<i>% of Change</i>
Total Incidents	240,441	454,545	214,104	47%
Total Dollar Loss as a Result of Fire	\$121,070,198	\$135,544,158	\$14,473,960	11%

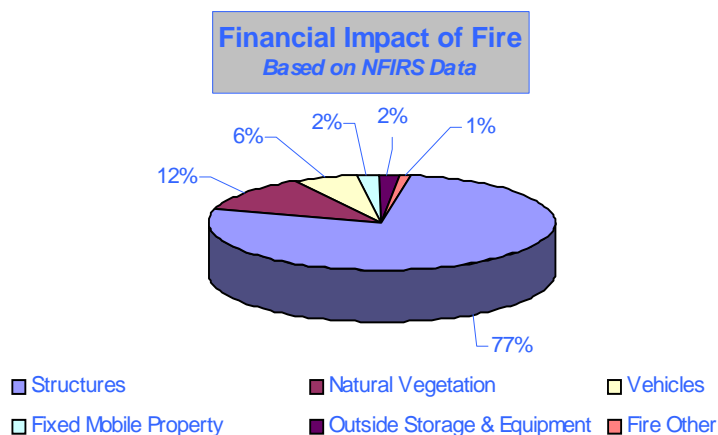
*Seattle Fire Department amended incident data after the publication of the 2002 Fire in Washington Annual Report.

Fire Incidents

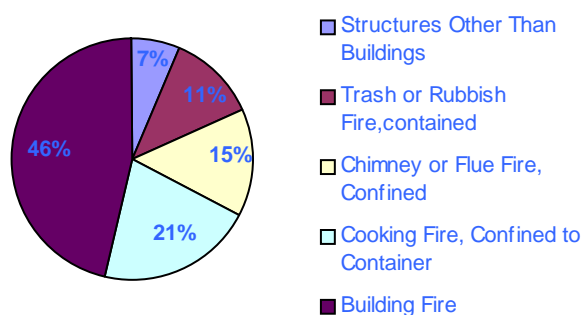
Fire incidents represent 6% of the total incidents reported in 2003. Natural vegetation fires were the most frequently reported fire while structures fires, including confined fires, lead in dollar loss.

<i>Fire Responses</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Structures	6,645	28%	\$89,831,009	77%
Fixed Mobile Property	272	1%	\$2,492,510	2%
Vehicles	4,024	17%	\$7,177,327	6%
Natural Vegetation	7,565	32%	\$14,075,828	12%
Outside Rubbish	2,776	12%	\$89,431	0%
Outside Equipment & Storage	1,090	5%	\$2,135,666	2%
Cultivated Vegetation	168	1%	\$286,780	0%
Fire Other	1,371	6%	\$1,314,849	1%
Grand Total	23,911	100%	\$117,403,400	100%

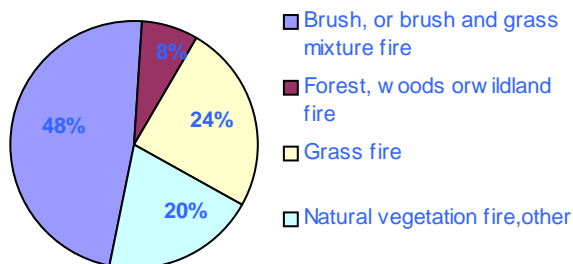
Of the fires reported in 2003, 6% were reported as "fire, other" accounting for more than \$1.3 million in dollar loss. This incident type code omits valuable information that can increase public safety. Fire departments are encouraged to review every incident report for accuracy, and to ensure the most appropriate coding is used to capture the incident events.



Structure Fires by Category



Natural Vegetation Fires



Fire Incidents

Fire Incidents by Property Use

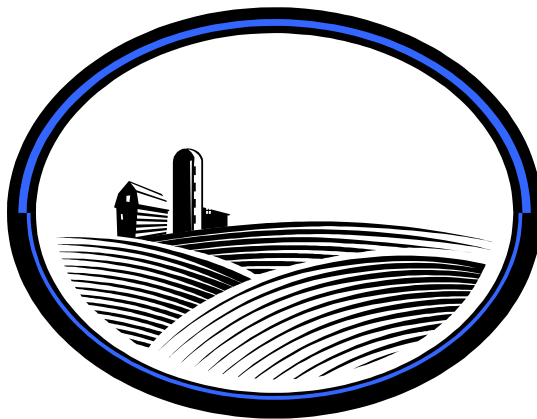
<i>Property Use Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Total Loss</i>	<i>% of Total</i>
Residential	8,366	35%	\$64,108,185	55%
Outside or Special Property	10,472	44%	\$16,660,421	14%
Storage	503	2%	\$12,477,195	11%
Mercantile, Business	762	3%	\$11,370,695	10%
Manufacturing, Processing	191	1%	\$4,467,520	4%
Assembly	500	2%	\$4,004,380	3%
Industrial, Utility, Defense, Agriculture, Mining	573	2%	\$1,554,322	1%
Educational	403	2%	\$871,102	1%
Health Care, Detention, and Corrections	214	1%	\$551,878	0%
Other Property Use	647	3%	\$988,886	1%
None	203	1%	\$83,310	0%
Undetermined	1,059	4%	\$262,006	0%
Grand Total	23,893*	100%	\$117,399,900	100%

* Property Use was not reported in 18 incidents with dollar loss of \$3,500.



Residential properties accounted for 35% of the total reported fire incidents and approximately 55% of the total dollar loss, more than \$64 million.

Outside & Special Properties account for 44% of the reported fire incidents and 14% of the dollar loss.



Area of Origin

Every fire has an area of origin. It may be a room, portion of a room, a vehicle, or portion of a vehicle, or an open area devoted to a specific use.¹ NFIRS 5.0 does not require area of origin to be documented for some types of fires, such as:

- Confined fires that do not extend beyond the non-combustible container.
- Other fires that occur in the outdoors.

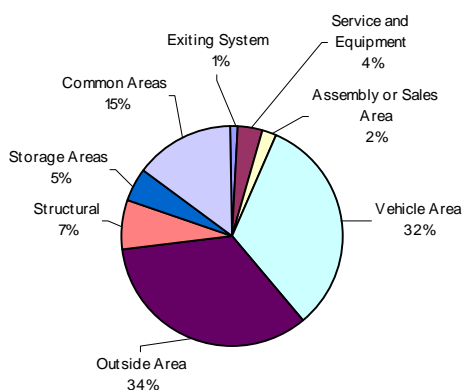
The charts below provide an overview of the areas of origin as documented by the 344 fire agencies submitting NFIRS 5.0 data to the Office of the State Fire Marshal.

Area of Origin

<i>Area of Origin</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Common Areas	1,621	13%	\$22,585,331	21%
Storage Areas	526	4%	\$18,147,694	16%
Structural	794	7%	\$15,626,205	15%
Outside Area	3,641	30%	\$7,739,218	8%
Vehicle Area	3,445	28%	\$6,300,877	7%
Assembly or Sales Area	244	2%	\$7,103,903	7%
Service and Equipment	384	3%	\$9,547,599	5%
Exiting System	134	1%	\$2,865,016	4%
Technical Processing Area	32	0%	\$956,472	1%
Other Areas	282	2%	\$1,089,485	0%
Undetermined	1,024	8%	\$9,740,930	15%
Grand Total	12,127	100%	\$101,702,730	100%

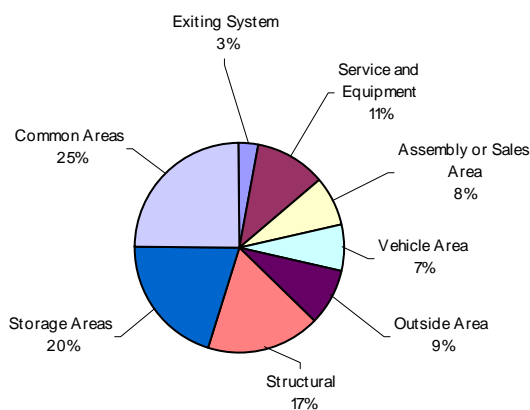
**Leading Areas of Origin
Reported for All Property Uses**

Based on 10,789 incidents with a reported dollar loss of \$89,915,843



**Leading Areas of Origin
Dollar Loss**

Based 10,789 incidents with a reported dollar loss of \$89,915,843



¹ National Fire Incident Reporting System 5.0 Quick Reference Guide, U.S. Fire Administration

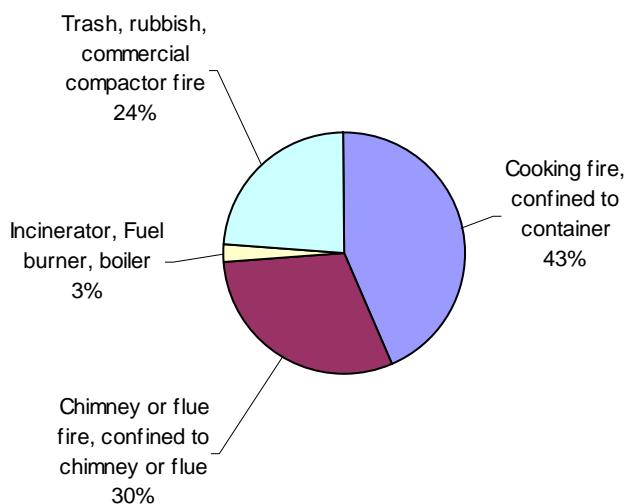
Heat Sources

The top three heat source categories are related to electrical equipment. Heat from operating equipment, which includes sparks, embers, or flames was the leading heat source reported. Heat radiated or conducted from operating equipment was the second leading cause, followed by arcing.

<i>Heat Source</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Operating Equipment	1,523	13%	\$11,715,327	12%
Arcing	680	6%	\$10,714,084	11%
Ashes, Embers, Other Hot Materials	1,378	11%	\$10,439,815	10%
Radiated or conducted heat from operating equipment	1,205	10%	\$10,250,655	10%
Smoking Materials	767	6%	\$4,703,130	5%
Chemicle or Natural	171	1%	\$3,123,642	3%
Matches & Lighters	536	4%	\$2,677,598	3%
Explosives & Fireworks	580	5%	\$1,657,784	2%
Candles	152	1%	\$1,518,561	1%
Flare, Fusee, Torch	88	1%	\$717,580	1%
Backfire from Vehicle	88	1%	\$133,550	0%
Heat from Another Fire	5	0%	\$422,100	0%
Multiple Heat Sources	56	0%	\$958,656	1%
Heat Source Other	551	5%	\$2,343,200	2%
Undetermined	4,347	36%	\$40,327,048	40%
Grand Total	12,127	100%	\$101,702,730	100%

Confined Fires

There were 3,158 confined fires reported, where the area of origin and heat sources are not required to be documented. Confined fires represent 13% of the total fire reported in the structure fire category. The total loss reported was in excess of \$400,000 dollars.



Intentionally Set Fires

Intentionally set fires result in millions of dollars in loss to our state. Fire cause is not always documented for every fire incident. The numbers reflected below are suspected to be significantly under reported. This is due in part to 15% of the reported causes being reported as undetermined after investigation representing more than \$9 million in dollar loss.

Intentional Fires by Property Use

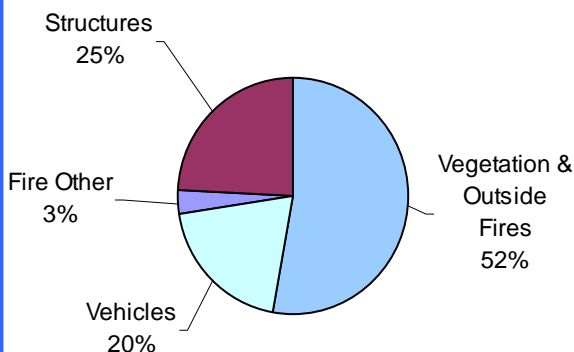
Property Use	Frequency	% of Freq	Dollar Loss	% of Loss
Residential	398	25%	\$3,668,296	46%
Mercantile, Business	34	2%	\$1,574,830	20%
Assembly	32	2%	\$1,019,570	13%
Outside or Special Property	603	38%	\$699,208	9%
Manufacturing	6	0%	\$417,670	5%
Storage	52	3%	\$148,089	2%
Industrial, Utility, Defense, Agriculture, Mining	36	2%	\$58,000	1%
Education	56	4%	\$54,022	1%
Health Care, Detention and Corrections	13	1%	\$7,920	0%
Other Property Use	67	4%	\$301,364	4%
None	14	1%	\$2,880	0%
Undetermined	272	17%	\$22,955	0%
Grand Total	1,583	100%	\$7,974,804	100%

Comparing previous annual report data to the 2003 NFIRS data, the number of intentionally set fires is on the rise. Dollar loss varies from year to year. In 2002, the Weatherwax School Fire in Aberdeen resulted in losses of more than \$15 million.

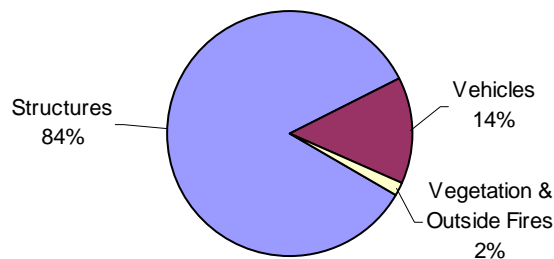
Intentional Fires		
Year	Incidents	Dollar Loss
2001	931	\$3,698,993
2002	932	\$19,690,891
2003	1,583	\$7,974,804

Intentional Fires by Type of Fire and Dollar Loss

Types of Fires



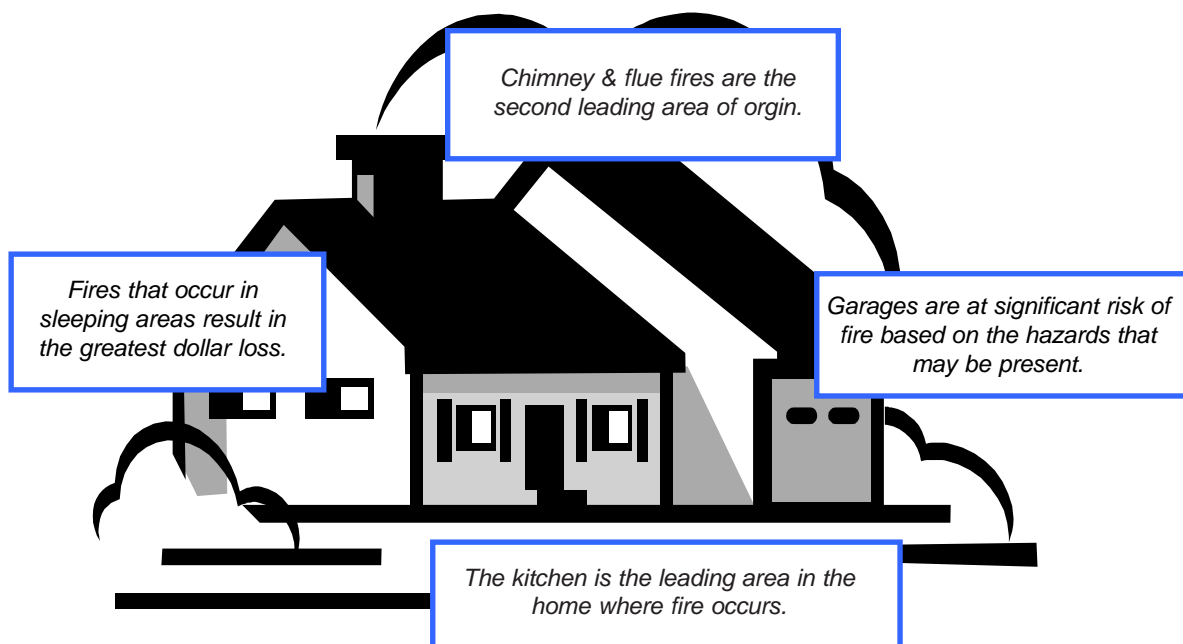
Dollar Loss



Residential Properties

Based on the NFIRS 5.0 data submitted by 344 out of the 535 fire agencies.
Includes 1 or 2 family dwellings, multifamily dwellings, hotels/motels, sorority/fraternity houses, barracks, and dormitories.

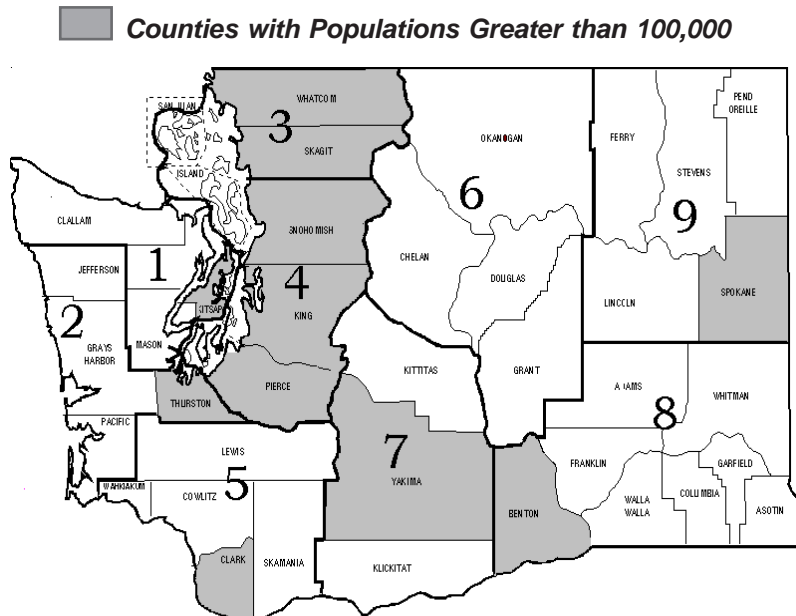
<i>Area of Origin</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Common Areas	1,603	41%	\$25,142,518	71%
Structural	627	16%	\$3,679,498	10%
Exiting System	91	2%	\$1,781,125	5%
Storage	239	6%	\$1,569,430	4%
Service & Equipment	207	5%	\$652,311	2%
Outside	515	13%	\$371,700	1%
Work Rooms	3	0%	\$125,000	0%
Vehicle Areas	262	7%	\$111,400	0%
Other Area	101	3%	\$948,933	3%
Undetermined	230	6%	\$1,267,800	4%
Grand Total	3,878	100%	\$35,649,715	100%



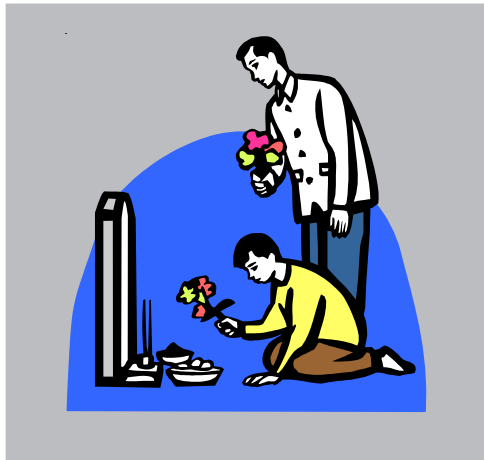
Incidents Based on Population

County Comparison Based on Populations					
	11 Counties with Populations Over 100,000		28 Counties with Populations Under 100,000		State Total
Populations	5,033,847	83%	1,035,149	17%	6,068,996
Incident Type	Frequency	% of State Total	Frequency	% of State Total	Total Frequency
Fires	18,522	5%	5,389	1%	23,911
Rescue and Emergency Medical Service	221,858	58%	34,057	9%	255,915
Other Type of Incident	3,071	1%	297	0%	3,368
Hazardous Conditions	8,875	2%	1,831	0%	10,706
Service Call	20,125	5%	4,404	1%	24,529
Overpressure, Rupture, Explosion, Overheat (No Fire)	588	0%	192	0%	780
Severe Weather And Natural Disaster	406	0%	139	0%	545
Unintentional Fire Protection System Activation	12,062	3%	1,568	0%	13,630
False Alarm & False Call	5,945	2%	1,389	0%	7,334
Good Intent Call	28,084	7%	4,424	1%	32,508
Fire Protection System Malfunction	7,763	2%	1,050	0%	8,813
Undetermined	228	0%	7	0%	235
Grand Total	327,527	86%	54,747	14%	382,274
Dollar Loss as a Result of Fire	\$81,621,704	70%	\$35,781,696	30%	\$117,403,400

NFIRS data only.



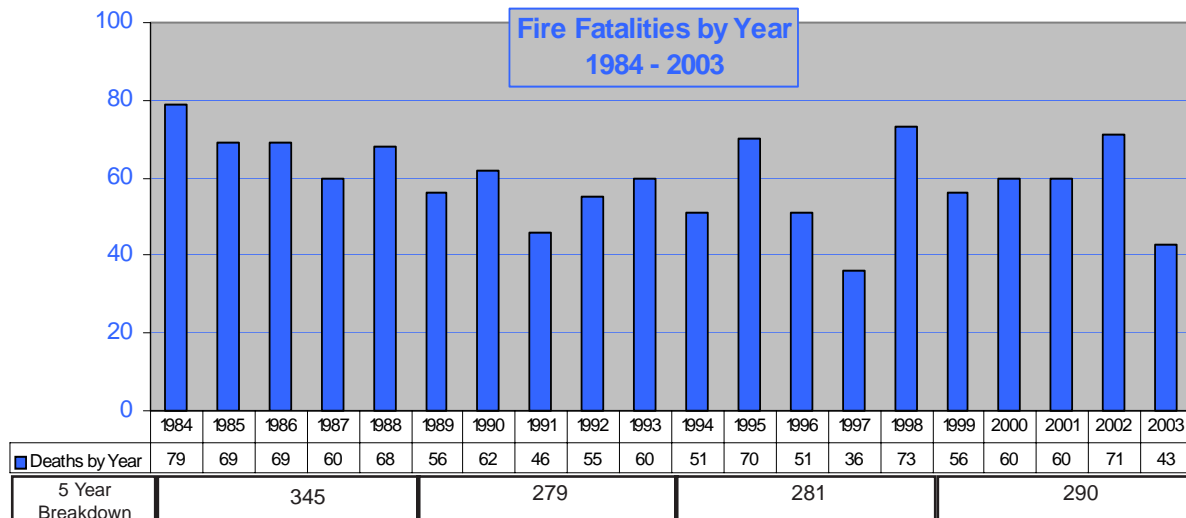
Fire Fatalities



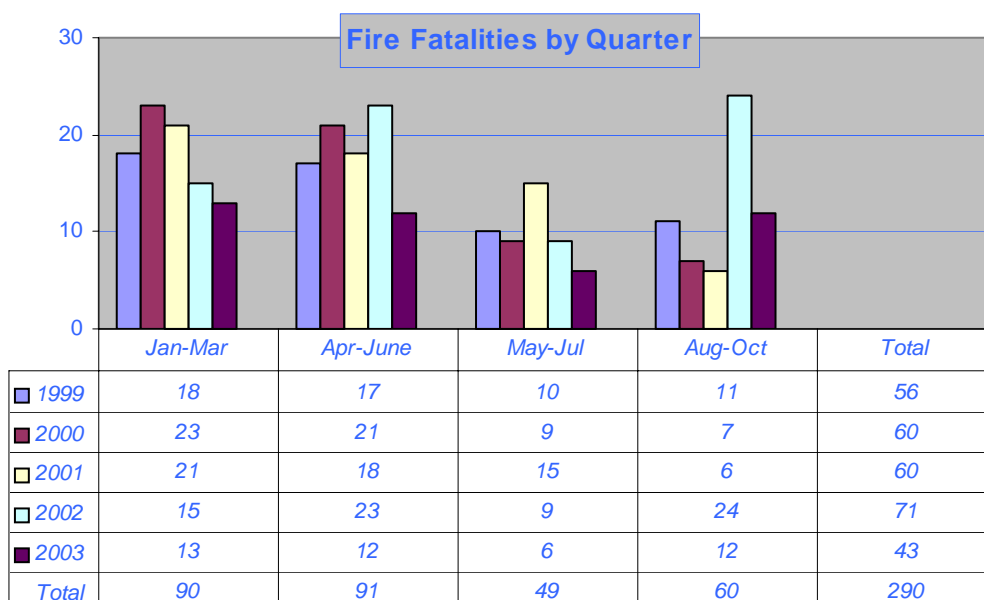
2003 Fire Fatalities

In accordance with RCW 48.48.065, agencies are required to report any death resulting from fire within two business days to the Office of the State Fire Marshal. The information used to compile the fire fatality statistics are based on the information reported by fire agencies.

Over the past 20 years in Washington State, 1,195 people have lost their lives as a result of fire. In 2003, there was a decrease of 39% compared to the pervious year. The chart below depicts that approximately every sixth year our state experiences a significate reduction in fire deaths.



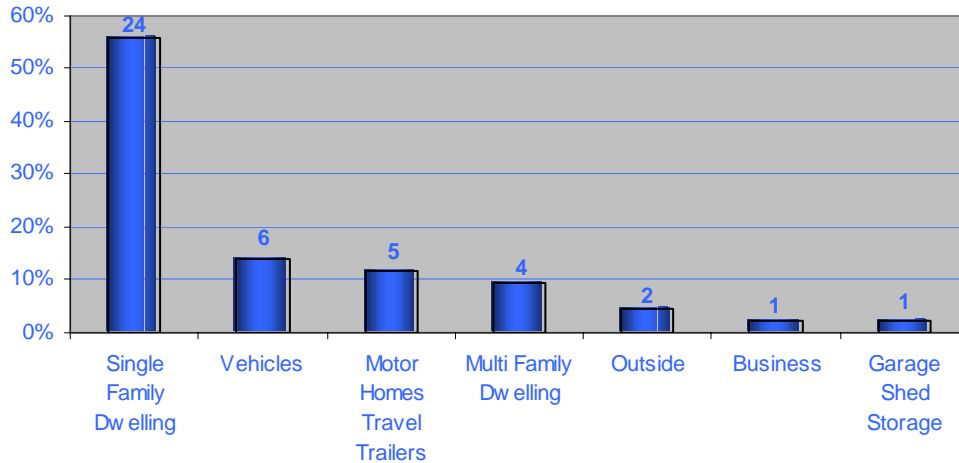
Statistics show that fire fatalities occur more frequently in the colder months. Weather may be a factor that keeps people in doors, where deadly fires are most likely to strike. From 1999 to 2003, 62% of fire fatalities reported occurred in the first half of the year.



2003 Fire Fatalities

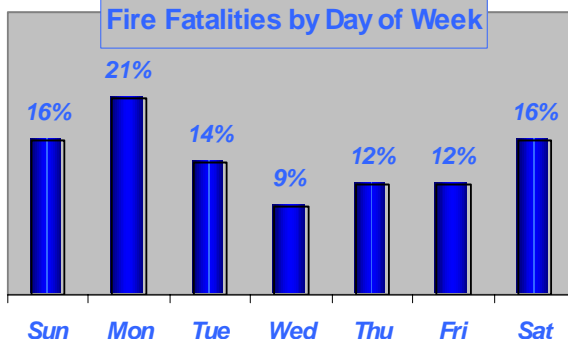
Deadly fires occurred most frequently in places where people sleep. Single and multifamily dwellings combined with recreation vehicles claimed 77% of the total number of fire fatalities in 2003.

Places Fire Fatalities Occur

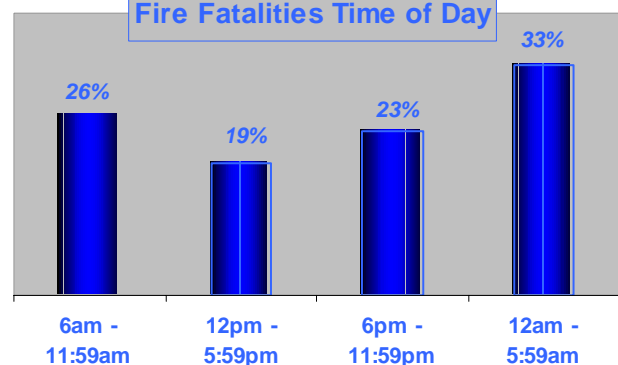


The graphs below illustrate fire fatalities by day of week and time of day. Saturday, Sunday and Monday account for more than half of the total fire fatalities reported, with Monday alone representing 21%. This fact may be attributed to more people spending time at home during the weekend. Fires are most likely to strike while people are sleeping, from late night into the morning hours deadly.

Fire Fatalities by Day of Week



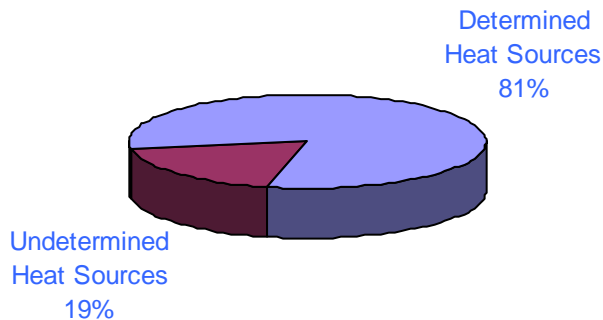
Fire Fatalities Time of Day



2003 Fire Fatalities

In 19% of the fire fatality incidents in 2003, the heat source was reported as undetermined. In some cases the fire was so hot that the cause could only be traced back to the area of origin, and exact heat source could not be identified. In any case, thorough investigation and accurate reporting is imperative for the prevention of future fire fatalities.

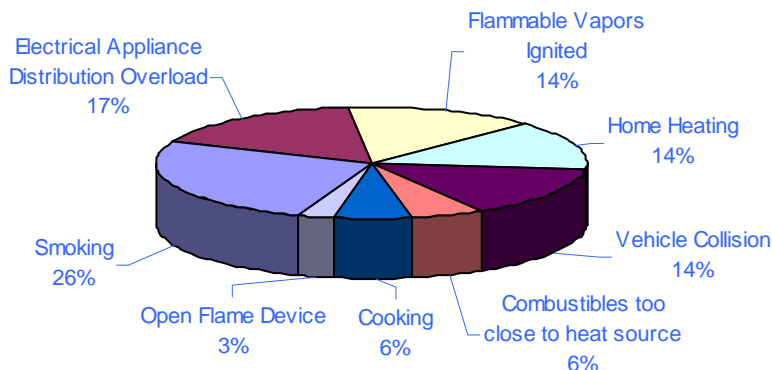
**Heat Sources
Determined vs. Undetermined**



In incidents where heat source was reported, careless smoking was the leading cause accounting for 26% of the total. Historically, smoking continues to be the number one heat source leading to fire fatalities in our state. People who smoke in bed or while on oxygen significantly increase their risk.

The second leading cause was electrical related incidents which include appliances, distribution, and overloads. Risk can be reduced by unplugging electrical appliances when not in use.

**Heat Sources
Based on Determined Heat Sources**



Prevention Message:

- Never smoke in bed or while on oxygen.
 - Never leave cooking unattended.
 - Heating appliances should be 36" from anything that can burn.
-

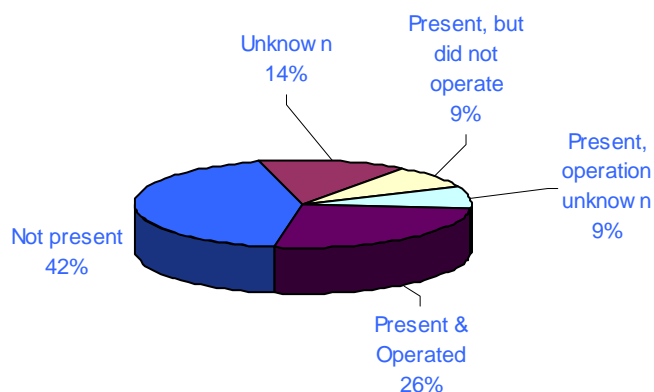
2003 Fire Fatalities

Smoke detectors play a key role in reducing the loss of life in fires. Early notification to the presence of a smoke can provide much needed time to safely evacuate.

In 2003, detector operation was reported in 35 out of the 43 fire fatality incidents (82%). Tragically no detectors were found in 42% of the incidents. In another 9% detectors were present, but not functioning.

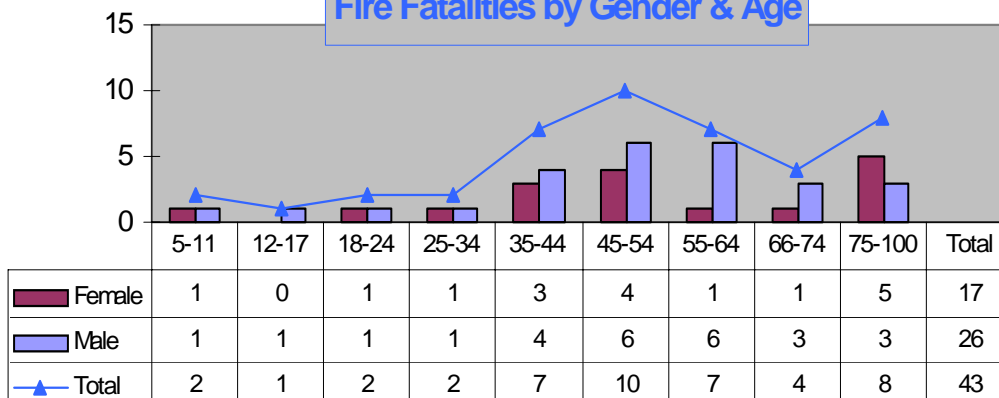
In the cases where detectors were reported to be present and operating, human factors may have played a role. Many of the incidents indicated the victim was asleep at the time of the incident and/or had physical or mental disabilities that may have contributed.

Detector Operation



Historically, the very young and the elderly are at greatest risk of perishing in fire incidents. In 2003, 55% of the fire victims were between the age of 35 and 64 years of age.

Fire Fatalities by Gender & Age



2003 Fire Fatalities

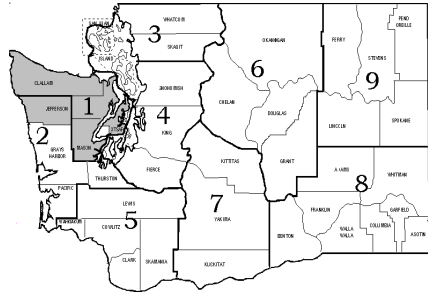
Below is a chart indicating the counties where fire fatalities have occurred over the past five years. No deaths have been reported from Columbia, Ferry, Lincoln or Wahkiakum Counties. Densely populated counties such as King, Pierce and Snohomish account for 38% of the total fire deaths reported.

County Overview						
COUNTY	1999	2000	2001	2002	2003	Total
Adams	3	0	0	0	0	3
Asotin	1	0	0	2	0	3
Benton	0	3	1	0	1	5
Chelan	0	0	0	2	0	2
Clallam	0	1	4	0	0	5
Clark	4	1	1	3	2	11
Columbia	0	0	0	0	0	0
Cowlitz	0	3	0	0	0	3
Douglas	0	0	0	0	1	1
Ferry	0	0	0	0	0	0
Franklin	0	1	0	0	0	1
Garfield	0	0	0	0	0	0
Grant	0	0	2	0	0	2
Grays Harbor	1	5	2	4	3	15
Island	0	0	2	1	0	3
Jefferson	0	0	3	0	0	3
King	12	15	8	12	9	56
Kitsap	3	7	1	5	0	16
Kittitas	0	0	0	0	1	1
Klickitat	0	2	0	0	1	3
Lewis	3	0	3	0	3	9
Lincoln	0	0	0	0	0	0
Mason	4	1	2	1	0	8
Okanogan	0	0	5	3	2	10
Pacific	0	2	0	0	1	3
Pend Oreille	1	0	3	1	0	5
Pierce	5	2	5	12	6	30
San Juan	0	0	1	0	0	1
Skagit	0	2	1	2	0	5
Skamania	1	0	0	1	0	2
Snohomish	3	6	7	6	4	26
Spokane	2	6	5	3	1	17
Stevens	0	0	0	0	1	1
Thurston	3	1	2	6	4	16
Wahkiakum	0	0	0	0	0	0
Walla Walla	1	0	1	1	0	3
Whatcom	4	1	0	0	1	6
Whitman	1	0	0	0	0	1
Yakima	4	1	1	6	2	14
Grand Total	56	60	60	71	43	290

Regional Reports

Region 1

Region 1 is comprised of Clallam, Jefferson, Kitsap and Mason Counties. In 2003, 63% of the fire agencies submitted incident data to the Office of the State Fire Marshal.



Incidents by Category

<i>Incident Type Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Fire	1,223	5%	\$5,772,320	99%
Hazardous Condition	698	3%	\$33,370	1%
Service Call	2,897	12%	\$3,300	0%
Severe Weather and Natural Disaster	116	0%	\$500	0%
Overpressure Rupture, Explosion, Overheat (No Fire)	69	0%	\$450	0%
Rescue and Emergency Medical Service	16,759	67%	\$100	0%
Good Intent Call	1,888	8%	\$0	0%
False Alarm & False Calls	401	2%	\$0	0%
Fire Protection System Malfunction	356	1%	\$0	0%
Unintentional Fire Protection System Activation	549	2%	\$0	0%
Other Type of Incident	110	0%	\$0	0%
Undetermined	4	0%	\$0	0%
Grand Total	25,070	100%	\$5,810,040	100%

Fire Incidents by Category

<i>Fires by Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Structures	392	32%	\$4,185,968	73%
Natural Vegetation	424	35%	\$1,001,700	17%
Vehicles	198	16%	\$294,450	5%
Fixed Mobile Property	23	2%	\$108,860	2%
Outside Storage & Equipment	26	2%	\$3,025	0%
Outside Rubbish	85	7%	\$2,000	0%
Cultivated Vegetation	3	0%	\$0	0%
Fire Other	72	6%	\$176,317	3%
Grand Total	1,223	100%	\$5,772,320	100%

Fire Incidents by Property Use

<i>Property Use Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Total Loss</i>	<i>% of Total</i>
Residential	512	42%	\$3,170,455	55%
Outside or Special Property	534	44%	\$1,226,300	21%
Mercantile, Business	36	3%	\$1,001,750	17%
Storage	28	2%	\$201,976	3%
Assembly	25	2%	\$144,709	3%
Educational	10	1%	\$4,130	0%
Health Care, Detention, and Corrections	8	1%	\$1,050	0%
Industrial, Utility, Defense, Agriculture, Mining	32	3%	\$650	0%
Manufacturing, Processing	5	0%	\$300	0%
Other Property Use	19	2%	\$1,000	0%
None	10	1%	\$20,000	0%
Undetermined	4	0%	\$0	0%
Grand Total	1,223	100%	\$5,772,320	100%

Region 1

Area of Origin

<i>Area of Origin</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Dollar Loss</i>
Exiting System	5	1%	\$1,072,000	23%
Common Areas	108	17%	\$883,000	19%
Structural	55	8%	\$577,528	12%
Assembly or Sales Area	28	4%	\$577,241	12%
Storage Areas	27	4%	\$576,126	12%
Vehicle Area	177	27%	\$261,700	5%
Outside Area	144	22%	\$50,225	1%
Service and Equipment	47	7%	\$35,450	1%
Other Areas	14	2%	\$3,000	0%
Undetermined	47	7%	\$727,300	15%
Grand Total	652	100%	\$4,763,570	100%

Confined Fires

<i>Confined Fires</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Cooking fire, confined to container	55	28%	\$5,700	36%
Chimney or flue fire, confined to chimney or flue	92	46%	\$5,000	32%
Fuel burner/boiler malfunction, fire confined	4	2%	\$5,000	32%
Trash or rubbish fire, contained	47	24%	\$0	0%
Grand Total	198	100%	\$15,700	100%

Heat Source

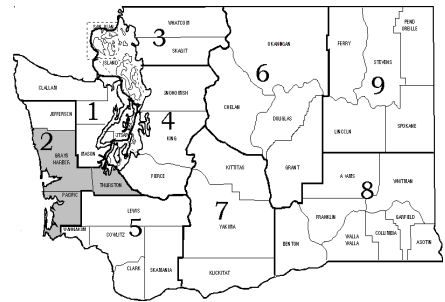
<i>Heat Source</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Matches & Lighters	17	3%	\$1,014,528	21%
Operating Equipment	106	16%	\$599,342	13%
Ashes, Embers, Other Hot Materials	102	16%	\$239,250	5%
Radiated or conducted heat from operating equipment	75	12%	\$223,881	5%
Flare, Fusee, Torch	4	1%	\$200,000	4%
Chemicle or Natural	5	1%	\$162,002	3%
Candles	5	1%	\$152,190	3%
Arcing	44	7%	\$84,225	2%
Multiple Heat Sources	7	1%	\$82,356	2%
Smoking Materials	44	7%	\$52,162	1%
Heat from Another Fire	0	0%	\$32,800	1%
Explosives & Fireworks	19	3%	\$7,000	0%
Backfire from vehicle	3	0%	\$0	0%
Heat Source Other	38	6%	\$103,700	2%
Undetermined	183	28%	\$1,810,134	38%
Grand Total	652	100%	\$4,763,570	100%

Region 1 Reporting Status

		<i>Incidents</i>	<i>Exposures</i>	<i>Mutual Aid Given</i>	<i>Total Incidents</i>	<i>Dollar Loss</i>
Clallam	Clallam #1, Forks	0	0	0	0	\$0
	Clallam #2, Port Angeles	874	0	23	897	\$0
	Clallam #3, Sequim	3,856	0	16	3,872	\$12,930
	Clallam #4, Joyce	0	0	0	0	\$0
	Clallam #5, Clallam Bay/Seki	1	0	0	1	\$0
	Clallam #6, Quillayute Prairie	0	0	0	0	\$0
	Port Angeles	1,484	0	0	1,484	\$100,000
	La Push Fire Department (Quileute Reservation)	0	0	0	0	\$0
	Total	6,215	0	39	6,254	\$112,930
Jefferson	Jefferson #1, Chimacum	781	0	144	925	\$47,000
	Jefferson #2, Quilcene	267	0	61	328	\$321,065
	Jefferson #3, Port Ludlow	434	0	109	543	\$24,150
	Jefferson #4, Brinnon	226	0	43	269	\$73,500
	Jefferson #5, Discovery Bay	4	0	0	4	\$45,002
	Jefferson #6, Cape George/Kala Point/Beckett Point	301	0	156	457	\$70,350
	Jefferson #7, Clearwater	0	0	0	0	\$0
	Port Townsend	1,143	0	199	1,342	\$1,229,850
	Total	3,156	0	712	3,868	\$1,810,917
Kitsap	Central Kitsap	4,160	2	174	4,334	\$833,698
	Kitsap #2, Bainbridge Island	540	0	22	562	\$228,000
	Kitsap #7, South Kitsap	8,199	10	180	8,379	\$1,358,895
	Kitsap #10, North Kitsap	0	0	0	0	\$0
	Bremerton	0	0	0	0	\$0
	Kitsap #18/City of Poulsbo	42	0	4	46	\$0
	Total	12,941	12	380	13,321	\$2,420,593
Mason	Mason #1, Hoodsport	0	0	0	0	\$0
	Mason #2, Belfair	141	0	38	179	\$1,209,600
	Mason #3, Grapeview	0	0	0	0	\$0
	Mason #4, Arcadia/Kamilche	741	0	29	770	\$0
	Mason #5, Allyn/Agate/Shelton	0	0	1	1	\$0
	Mason #6, Union	73	0	45	118	\$0
	Mason #8, Tahuya	0	0	0	0	\$0
	Mason #9, Skokomish Valley	241	0	48	289	\$0
	Mason #11, Shelton	0	0	0	0	\$0
	Mason #12, Matlock	0	0	0	0	\$0
	Mason #13, Eldon	103	0	10	113	\$0
	Mason #16, Dayton	14	0	1	15	\$0
	Mason #17, Lilliwaup/Eldon	36	0	0	36	\$0
	Mason #18, Lake Cushman	0	0	0	0	\$0
	Shelton	1,409	0	36	1,445	\$256,000
	Total	2,758	0	208	2,966	\$1,465,600
Grand Total		25,070	12	1,339	26,409	\$5,810,040

Region 2

Region 2 is comprised of Grays Harbor, Pacific, and Thurston counties. In 2003, 73% of the fire agencies submitted incident data to the Office of the State Fire Marshal.



Incidents by Category

<i>Incident Type Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Fire	1,964	7%	\$8,119,291	98%
Rescue and Emergency Medical Service	17,939	68%	\$124,000	1%
Hazardous Condition	580	2%	\$10,745	0%
Service Call	1,496	6%	\$7,050	0%
Good Intent Call	2,081	8%	\$4,200	0%
Fire Protection System Malfunction	639	2%	\$2,000	0%
Overpressure Rupture, Explosion, Overheat (No Fire)	36	0%	\$1,065	0%
False Alarm & False Calls	534	2%	\$0	0%
Unintentional Fire Protection System Activation	901	3%	\$0	0%
Severe Weather and Natural Disaster	14	0%	\$0	0%
Other Type of Incident	77	0%	\$0	0%
Grand Total	26,261	100%	\$8,268,351	100%

Fire Incidents by Category

<i>Fires by Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Structures	563	29%	\$7,131,160	88%
Vehicles	304	15%	\$670,000	8%
Fixed Mobile Property	26	1%	\$111,450	1%
Outside Storage & Equipment	64	3%	\$97,530	1%
Natural Vegetation	541	28%	\$451	0%
Outside Rubbish	274	14%	\$200	0%
Cultivated Vegetation	9	0%	\$0	0%
Fire Other	183	9%	\$108,500	1%
Grand Total	1,964	100%	\$8,119,291	100%

Fire Incidents by Property Use

<i>Property Use Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Total</i>
Residential	866	44%	\$4,906,015	60%
Assembly	29	1%	\$915,090	11%
Mercantile, Business	59	3%	\$580,475	7%
Storage	30	2%	\$551,000	7%
Educational	24	1%	\$509,500	6%
Industrial, Utility, Defense, Agriculture, Mining	33	2%	\$380,000	5%
Outside or Special Property	738	38%	\$126,761	2%
Manufacturing, Processing	17	1%	\$106,300	1%
Health Care, Detention, and Corrections	5	0%	\$0	0%
Other Property Use	68	3%	\$39,150	0%
None	51	3%	\$1,500	0%
Undetermined	41	2%	\$0	0%
Grand Total	1,961*	100%	\$8,115,791	100%

* Property Use was not reported in 3 incidents with an associated dollar loss of \$3500.

Region 2

Area of Origin

<i>Area of Origin</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Dollar Loss</i>
Common Areas	121	14%	\$2,800,730	37%
Assembly or Sales Area	26	3%	\$1,051,450	14%
Storage Areas	43	5%	\$780,350	10%
Structural	65	8%	\$728,475	10%
Outside Area	189	22%	\$547,850	7%
Vehicle Area	223	26%	\$300,100	4%
Service and Equipment	44	5%	\$256,625	3%
Exiting System	9	1%	\$114,500	2%
Technical Processing Area	2	0%	\$105,000	1%
Other Areas	34	4%	\$12,030	0%
Undetermined	104	12%	\$847,830	11%
Grand Total	860	100%	\$7,544,940	100%

Confined Fires

<i>Confined Fires</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Incinerator, fuel burner, boiler	9	3%	\$14,000	49%
Chimney or flue fire, confined to chimney or flue	145	55%	\$9,400	33%
Cooking fire, confined to container	85	32%	\$5,000	17%
Trash, rubbish, commercial compactor	27	10%	\$350	1%
Grand Total	266	100%	\$28,750	100%

Heat Source

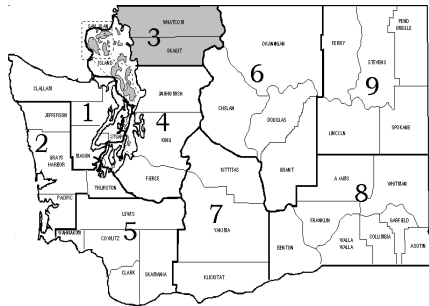
<i>Heat Source</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Operating Equipment	131	15%	\$2,056,850	27%
Ashes, Embers, Other Hot Materials	134	16%	\$615,400	8%
Radiated or conducted heat from operating equipment	80	9%	\$465,830	6%
Arcing	51	6%	\$405,990	5%
Smoking Materials	36	4%	\$357,550	5%
Chemicle or Natural	13	2%	\$331,000	4%
Matches & Lighters	25	3%	\$159,000	2%
Candles	10	1%	\$77,210	1%
Explosives & Fireworks	25	3%	\$11,000	0%
Backfire from vehicle	3	0%	\$5,000	0%
Flare, Fusee, Torch	11	1%	\$4,100	0%
Heat from Another Fire	0	0%	\$0	0%
Multiple Heat Sources	7	1%	\$0	0%
Heat Source Other	59	7%	\$29,050	0%
Undetermined	275	32%	\$3,026,960	40%
Grand Total	860	100%	\$7,544,940	100%

Region 2 Reporting Status

		<i>Incidents</i>	<i>Exposures</i>	<i>Aid Given</i>	<i>Total Incidents</i>	<i>Dollar Loss</i>
Grays Harbor	Grays Harbor #11, Grayland	24	0	1	25	\$11,000
	Grays Harbor #1, Oakville	0	0	0	0	\$0
	Grays Harbor #2, Central Park	593	0	53	646	\$655,430
	Grays Harbor #4, Quinault/Armanda Park/Neilton	15	0	1	16	\$12,500
	Grays Harbor #5, Porter/Elma/Satsop	0	0	0	0	\$0
	Grays Harbor #6, North Hoquiam	0	0	0	0	\$0
	Grays Harbor #7, Copalis Beach/Ocean City	0	0	0	0	\$0
	Grays Harbor #8, Pacific Beach	0	0	0	0	\$0
	Grays Harbor #10, Wishkah/East Hoquiam	17	0	3	20	\$0
	Grays Harbor #12, McCleary	24	0	2	26	\$5,200
	Grays Harbor #14, Markham/Ocosta/Bay City	0	0	0	0	\$0
	Grays Harbor #15, Cosmopolis	7	0	0	7	\$0
	Grays Harbor #16, Copalis Crossing	0	0	0	0	\$0
	Grays Harbor #17, Humptulips/Axford	25	0	0	25	\$382,000
	Aberdeen	403	1	22	425	\$1,311,275
	Cosmopolis	20	0	1	21	\$7,000
	Elma	0	0	0	0	\$0
	Hoquiam	206	0	24	230	\$198,000
	McCleary	92	0	16	108	\$194,500
	Montesano	815	0	20	835	\$221,600
	Ocean Shores	293	0	11	304	\$223,150
	Westport	294	0	46	340	\$0
	Total	2,828	1	200	3,028	\$3,221,655
Pacific	Pacific #1, Ocean Park	234	1	3	237	\$31,850
	Pacific #2, Chinook Valley	0	0	0	0	\$0
	Pacific #3, Willapa Valley	44	0	1	45	\$92,030
	Pacific #4, Naselle	0	0	0	0	\$0
	Pacific #5, North Cove/Tokeland	30	0	2	32	\$0
	Pacific #6, Bay Center	0	0	0	0	\$0
	Pacific #7, Nemah	9	0	0	9	\$2,500
	Ilwaco	36	0	5	41	\$12,300
	Long Beach	14	0	1	15	\$70,000
	Raymond	92	0	0	92	\$278,600
	South Bend/Pacific #8 Rural South Bend	4	0	0	4	\$0
	Total	463	1	12	475	\$487,280
Thurston	Thurston #1, Rochester/Grand Mound	248	0	40	288	\$74,600
	SE Thurston Fire & EMS (District 2, 4, and 17)	2,489	0	4	2,493	\$0
	Lacey Fire District 3	7,667	13	289	7,956	\$655,050
	Thurston #5, Black Lake	0	0	0	0	\$0
	Thurston #6, East Olympia	699	0	44	743	\$0
	Thurston #7, North Olympia	203	0	50	253	\$0
	Thurston #8, South Bay	452	0	103	555	\$0
	Thurston #9, McLane	839	0	637	1,476	\$1,026,100
	Thurston #11, Littlerock	917	0	192	1,109	\$231,500
	Thurston #12, Tenino	103	0	31	134	\$0
	Thurston #13, Griffin	320	0	26	346	\$32,380
	Thurston #16, Gibson Valley	0	0	0	0	\$0
	Bucoda	75	0	56	131	\$7,500
	Olympia	6,886	1	81	6,967	\$1,933,211
	Tumwater	2,072	0	79	2,151	\$599,075
	Total	22,970	14	1,632	24,602	\$4,559,416
Grand Total		26,261	16	1,844	28,105	\$8,268,351

Region 3

Region 3 is comprised of Island, San Juan, Skagit, and Whatcom counties. In 2003, 65% of the fire agencies submitted incident data to the Office of the State Fire Marshal.



Incidents by Category

<i>Incident Type Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Fire	1,818	6%	\$4,795,518	97%
Overpressure Rupture, Explosion, Overheat (No Fire)	57	0%	\$55	0%
Rescue and Emergency Medical Service	21,498	74%	\$90,000	2%
Hazardous Condition	748	3%	\$10,468	0%
Service Call	1,513	5%	\$15,080	0%
Good Intent Call	1,492	5%	\$1	0%
False Alarm & False Calls	508	2%	\$0	0%
Fire Protection System Malfunction	443	2%	\$0	0%
Unintentional Fire Protection System Activation	908	3%	\$0	0%
Severe Weather and Natural Disaster	64	0%	\$20,000	0%
Other Type of Incident	147	1%	\$0	0%
Undetermined	9	0%	\$0	0%
Grand Total	29,205	100%	\$4,931,122	100%

Fire Incidents by Category

<i>Fires by Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Structures	468	26%	\$3,911,007	82%
Fixed Mobile Property	18	1%	\$218,825	5%
Vehicles	268	15%	\$440,975	9%
Natural Vegetation	590	32%	\$11,024	0%
Outside Rubbish	257	14%	\$2,162	0%
Outside Storage & Equipment	118	6%	\$19,105	0%
Cultivated Vegetation	10	1%	\$0	0%
Fire Other	89	5%	\$192,420	4%
Grand Total	1,818	100%	\$4,795,518	100%

Fire Incidents by Property Use

<i>Property Use Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Total</i>
Residential	678	37%	\$3,486,800	73%
Storage	44	2%	\$759,400	16%
Outside or Special Property	893	49%	\$234,591	5%
Manufacturing, Processing	17	1%	\$106,670	2%
Industrial, Utility, Defense, Agriculture, Mining	31	2%	\$90,000	2%
Mercantile, Business	50	3%	\$33,930	1%
Educational	17	1%	\$29,502	1%
Other Property Use	13	1%	\$19,800	0%
Health Care, Detention, and Corrections	13	1%	\$15,200	0%
Assembly	42	2%	\$13,625	0%
Undetermined	10	1%	\$4,000	0%
None	9	0%	\$2,000	0%
Grand Total	1,817*	100%	\$4,795,518	100%

* Property Use was not reported for 1 incident.

Region 3

Area of Origin

<i>Area of Origin</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Dollar Loss</i>
Common Areas	62	8%	\$756,472	17%
Structural	47	6%	\$734,306	17%
Storage Areas	43	5%	\$726,100	17%
Vehicle Area	202	25%	\$549,975	13%
Outside Area	238	29%	\$220,889	5%
Assembly or Sales Area	17	2%	\$196,782	5%
Exiting System	14	2%	\$168,580	4%
Technical Processing Area	4	0%	\$17,500	0%
Service and Equipment	22	3%	\$9,100	0%
Other Areas	28	3%	\$44,103	1%
Undetermined	146	18%	\$929,600	21%
Grand Total	823	100%	\$4,353,407	100%

Confined Fires

<i>Confined Fires</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Cooking fire, confined to container	86	35%	\$16,735	61%
Chimney or flue fire, confined to chimney or flue	82	33%	\$6,300	23%
Trash, rubbish, commercial compactor	73	30%	\$3,602	13%
Incinerator, fuel burner, boiler	6	2%	\$1,000	4%
Grand Total	247	100%	\$27,637	100%

Heat Source

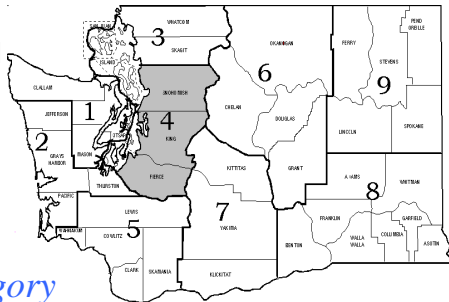
<i>Heat Source</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Operating Equipment	89	11%	\$678,222	16%
Arcing	41	5%	\$249,720	6%
Heat from Another Fire	0	0%	\$249,050	6%
Radiated or conducted heat from operating equipment	44	5%	\$211,400	5%
Smoking Materials	62	8%	\$158,299	4%
Candles	8	1%	\$107,500	2%
Ashes, Embers, Other Hot Materials	92	11%	\$69,972	2%
Chemicle or Natural	9	1%	\$42,500	1%
Flare, Fusee, Torch	5	1%	\$40,000	1%
Matches & Lighters	29	4%	\$10,300	0%
Explosives & Fireworks	35	4%	\$7,527	0%
Backfire from vehicle	5	1%	\$2,000	0%
Heat Source Other	36	4%	\$47,600	1%
Undetermined	368	45%	\$2,479,317	57%
Grand Total	823	100%	\$4,353,407	100%

Region 3 Reporting Status

		<i>Incidents</i>	<i>Exposures</i>	<i>Mutual Aid Given</i>	<i>Total Incidents</i>	<i>Dollar Loss</i>
Island	Island #1, Camano Island	1,247	0	70	1,317	\$491,200
	Island #2, North Whidbey Island	1,161	0	23	1,184	\$0
	Island #3, South Whidbey Island	272	0	0	272	\$0
	Island #5, Central Whidbey Island	744	0	19	763	\$300,000
	Oak Harbor	0	0	0	0	\$0
	Total	3,424	0	112	3,536	\$791,200
San Juan	San Juan #2, Orcas Island	0	0	0	0	\$0
	San Juan #3, San Juan Island	204	0	18	222	\$20,050
	San Juan #4, Lopez Island	62	0	0	62	\$30,000
	San Juan #5, Shaw Island	9	1	0	9	\$18,450
	Friday Harbor	66	0	8	74	\$8,000
	Total	341	1	26	367	\$76,500
Skagit	Skagit #2, McLean Road	245	0	0	245	\$21,500
	Skagit #3, Conw ay	0	0	0	0	\$0
	Skagit #4, Clear Lake	0	0	0	0	\$0
	Skagit #5, Bow	0	0	0	0	\$0
	Skagit #7, Lake Cavanaugh	10	0	1	11	\$80,000
	Skagit #8, Sedro-Woolley	0	0	0	0	\$0
	Skagit #9, Big Lake	30	0	4	34	\$238,000
	Skagit #10, Concrete	0	0	0	0	\$0
	Skagit #11, Mount Erie	2	0	0	2	\$0
	Skagit #12, Bay View	0	0	0	0	\$0
	Skagit #13, Hope Island/Summit Park	3	0	0	3	\$0
	Skagit #14, Alger	0	0	0	0	\$0
	Skagit #15, Lake McMurray	4	0	0	4	\$150,000
	Skagit #16, Day Creek	4	0	0	4	\$170,000
	Skagit #17, Guemes Island	18	0	0	18	\$0
	Skagit #19, Rockport/Marblemount	0	0	0	0	\$0
	Anacortes	2,091	0	13	2,104	\$185,650
	Burlington	1,124	0	18	1,142	\$24,330
	Concrete	0	0	0	0	\$0
	Hamilton	0	0	0	0	\$0
	La Conner	0	0	0	0	\$0
	Lyman	0	0	0	0	\$0
	Mount Vernon	2,995	3	12	3,007	\$448,814
	Sedro-Woolley	58	0	0	58	\$105,050
	Total	6,584	3	48	6,632	\$1,423,344
W hat com	W hat com County FMO	0	0	0	0	\$0
	W hat com #1, Everson/Deming/Nooksack	0	0	2	2	\$0
	W hat com #2, Geneva/Sudden Valley	255	0	29	284	\$2,500
	W hat com #3, Lynden	1,175	3	15	1,190	\$1,001,000
	W hat com #4, Bellingham	427	0	3	430	\$9,000
	W hat com #5, Point Roberts	13	0	0	13	\$0
	W hat com #6, Chuckanut Drive	2	0	0	2	\$0
	W hat com #7, Ferndale	1,332	0	25	1,357	\$209,720
	W hat com #8, Marietta	873	0	6	879	\$11,500
	W hat com #9, Lake Samish	0	0	0	0	\$0
	W hat com #10, Bellingham	0	0	0	0	\$0
	W hat com #11, Lummi Island	48	0	0	48	\$0
	W hat com #13, Blaine	591	0	3	594	\$33,600
	W hat com #14, Sumas	422	0	6	428	\$0
	W hat com #16, Acme/Van Zandt	26	1	3	29	\$297,000
	W hat com #17, Sandy Point	69	0	0	69	\$43,800
	W hat com #18, South Lake W hat com	0	0	0	0	\$0
	W hat com #19, Glacier	0	0	0	0	\$0
	Bellingham	12,849	1	19	12,868	\$979,433
	Lynden	774	0	66	840	\$52,525
	Total	18,856	5	177	19,033	\$2,640,078
	Grand Total	29,205	9	363	29,568	\$4,931,122

Region 4

Region 4 is comprised of King, Pierce and Snohomish counties. In 2003, 78% of the fire agencies submitted incident data to the Office of the State Fire Marshal.



Incidents by Category

<i>Incident Type Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Fire	10,507	5%	\$48,612,620	98%
Overpressure Rupture, Explosion, Overheat (No Fire)	365	0%	\$87,555	0%
Rescue and Emergency Medical Service	130,019	68%	\$72,420	0%
Hazardous Condition	4,908	3%	\$45,485	0%
Service Call	13,280	7%	\$232,305	0%
Good Intent Call	14,986	8%	\$2,700	0%
False Alarm & False Calls	3,363	2%	\$200	0%
Fire Protection System Malfunction	4,310	2%	\$0	0%
Unintentional Fire Protection System Activation	8,357	4%	\$34,810	0%
Severe Weather and Natural Disaster	302	0%	\$75,025	0%
Other Type of Incident	1,899	1%	\$500,000	1%
Undetermined	145	0%	\$0	0%
Grand Total	192,441	100%	\$49,663,120	100%

Fire Incidents by Category

<i>Fires by Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Structures	2,957	28%	\$38,554,090	79%
Natural Vegetation	3,363	32%	\$5,573,803	11%
Vehicles	1,804	17%	\$2,888,421	6%
Fixed Mobile Property	86	1%	\$813,000	2%
Outside Storage & Equipment	598	6%	\$306,166	1%
Outside Rubbish	1,178	11%	\$53,529	0%
Cultivated Vegetation	13	0%	\$850	0%
Fire Other	508	5%	\$422,761	1%
Grand Total	10,507	100%	\$48,612,620	100%

Fire Incidents by Property Use

<i>Property Use Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Total</i>
Residential	3,698	35%	\$30,609,408	63%
Mercantile, Business	378	4%	\$5,247,720	11%
Assembly	284	3%	\$2,203,861	5%
Storage	161	2%	\$825,969	2%
Other Property Use	368	4%	\$825,411	2%
Manufacturing, Processing	57	1%	\$315,000	1%
Educational	245	2%	\$314,229	1%
Health Care, Detention, and Corrections	130	1%	\$310,268	1%
Industrial, Utility, Defense, Agriculture, Mining	118	1%	\$273,472	1%
Outside or Special Property	4,093	39%	\$7,428,696	15%
None	25	0%	\$14,580	0%
Undetermined	946	9%	\$244,006	1%
Grand Total	10,503*	100%	\$48,612,620	100%

*Property Use not reported in 4 incidents.

Region 4

Area of Origin

<i>Area of Origin</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Common Areas	747	14%	\$10,511,035	25%
Structural	291	6%	\$8,017,967	19%
Storage Areas	210	4%	\$7,755,558	18%
Service and Equipment	122	2%	\$5,478,189	13%
Assembly or Sales Area	104	2%	\$3,680,750	9%
Vehicle Area	1,609	30%	\$2,320,171	5%
Outside Area	1,744	33%	\$1,086,858	3%
Exiting System	65	1%	\$689,186	2%
Technical Processing Area	7	0%	\$581,522	1%
Other Areas	111	2%	\$944,452	2%
Undetermined	272	5%	\$1,722,300	4%
Grand Total	5,282	100%	\$42,787,988	100%

Confined Fires

<i>Confined Fires</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Cooking fire, confined to container	766	52%	\$79,995	51%
Chimney or flue fire, confined to chimney or flue	301	20%	\$65,152	42%
Trash, rubbish, commercial compactor	366	25%	\$6,100	4%
Incinerator, fuel burner, boiler	36	2%	\$5,202	3%
Grand Total	1,469	100%	\$156,449	100%

Heat Source

<i>Heat Source</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Arcing	291	6%	\$8,968,396	21%
Radiated or conducted heat from operating equipment	628	12%	\$5,745,508	13%
Ashes, Embers, Other Hot Materials	499	9%	\$5,217,703	12%
Smoking Materials	411	8%	\$2,803,244	7%
Operating Equipment	599	11%	\$2,760,073	6%
Chemicle or Natural	63	1%	\$1,988,465	5%
Explosives & Fireworks	356	7%	\$1,201,556	3%
Candles	74	1%	\$825,676	2%
Matches & Lighters	299	6%	\$685,534	2%
Multiple Heat Sources	17	0%	\$253,000	1%
Flare, Fusee, Torch	22	0%	\$174,080	0%
Heat from Another Fire	5	0%	\$54,000	0%
Backfire from vehicle	41	1%	\$52,100	0%
Heat Source Other	186	4%	\$948,400	2%
Undetermined	1,791	34%	\$11,110,253	26%
Grand Total	5,282	100%	\$42,787,988	100%

Region 4 Reporting Status

		Incidents	Exposures	Mutual Aid Given	Total Incidents	Dollar Loss
King *	King #2, Burien	858	0	69	927	\$494,700
	King #4, Shoreline	8,313	16	286	8,599	\$522,510
	Eastside Fire and Rescue	8,292	0	253	8,545	\$718,000
	King #11, North Highline	806	0	32	838	\$45,000
	King #13, Vashon Island	922	0	0	922	\$0
	King #16, Northshore	0	0	0	0	\$0
	King #20, Skyway/Bryn Mawr/Lakeridge	559	0	14	573	\$0
	King #26, Des Moines	537	0	12	649	\$310,850
	King #27, Fall City	0	0	0	0	\$0
	King #34, Redmond	0	0	0	0	\$0
	Woodinville Fire and Life Safety District	3,176	0	821	3,997	\$563,550
	King #39, Federal Way	10,782	4	329	11,111	\$243,324
	King #40, Renton	2,450	0	286	2,736	\$1,131,143
	King #43, Maple Valley	2,680	0	288	2,968	\$200,980
	King #44, Mountain View	1,447	0	120	1,567	\$1,127,500
	King #45, Duvall	0	0	0	0	\$0
	King #47, Kangley/Palmer	43	0	3	46	\$0
	King #50, Skykomish/Stevens Pass	255	0	0	255	\$6,050
	Snoqualmie Pass	0	0	0	0	\$0
	Auburn	7,229	0	182	7,411	\$4,909,480
	Bellevue	12,540	10	3,671	16,211	\$3,765,015
	Black Diamond/King #17	82	0	20	102	\$0
	Bothell	4,109	0	342	4,451	\$454,050
	Enumclaw/King #28	221	0	0	221	\$591,080
	Kent	12,836	0	497	13,333	\$1,005,235
	Kirkland	6,463	0	672	7,135	\$1,732,110
	Mercer Island	1,699	0	14	1,713	\$604,155
	Pacific	0	0	0	0	\$0
	Redmond	3,269	0	561	3,830	\$125,060
	Renton	0	0	0	0	\$0
	Snoqualmie	547	0	405	952	\$263,200
	Tukwila	1,411	2	117	1,528	\$1,404,301
	SeaTac	3,532	4	360	3,892	\$1,698,885
	Total	95,058	36	9,454	104,512	\$219,16,178
Pierce	Pierce #1, Sumner	0	0	0	0	\$0
	Pierce #2, Lakewood	3,863	0	59	3,922	\$1,067,070
	Pierce #3, University Place	2,912	0	69	2,981	\$740,150
	Pierce #5, Gig Harbor	4,224	4	149	4,373	\$844,800
	Pierce #6, Central Pierce	13,092	1	718	13,810	\$7,237,727
	Pierce #8, Edgewood	586	0	18	704	\$1,000
	Pierce #11, North Puyallup	109	0	1	110	\$10,000
	Pierce #12, Buckley	624	0	124	748	\$0
	Pierce #13, Brown's Point/Dash Point	0	0	0	0	\$0
	Riverside Fire and Rescue	398	0	70	468	\$167,000
	Pierce #15, South Pierce	197	0	42	239	\$93,500
	Pierce #16, Key Peninsula	805	0	7	812	\$352,600
	Pierce #17, Roy/Lacamas/McKenna	0	0	0	0	\$0
	Pierce #18, Orting	1	0	0	1	\$6,000
	Pierce #20, South Prairie	25	0	10	35	\$0
	Pierce #21, Graham	1,533	0	271	1,804	\$523,400
	Pierce #22, East Pierce	2,792	0	438	3,230	\$378,150
	Pierce #23 Elbe/Ashford	0	0	0	0	\$0
	Pierce #25, Crystal Mountain	0	0	0	0	\$0
	Pierce #26, Greenwater	7	0	0	7	\$2,150
	Pierce #27, Anderson Island	0	0	0	0	\$0
	Buckley	596	0	38	634	\$46,700
	Carbonado	13	0	6	19	\$10,250
	DuPont	289	0	33	322	\$79,810
	Eatonville	0	0	0	0	\$0
	Milton	670	0	54	724	\$82,500
	Orting	481	0	0	481	\$1,780
	Puyallup	5,126	0	188	5,324	\$299,230
	Ruston	16	0	1	17	\$0
	South Prairie	0	0	0	0	\$0
	Steilacoom	418	0	11	429	\$236,160
	Sumner	0	0	0	0	\$0
	Tacoma	32,927	0	0	32,927	\$1,137,521
	McNeil Island	481	0	0	481	\$0
	Total	72,185	5	2,417	74,602	\$23,552,498

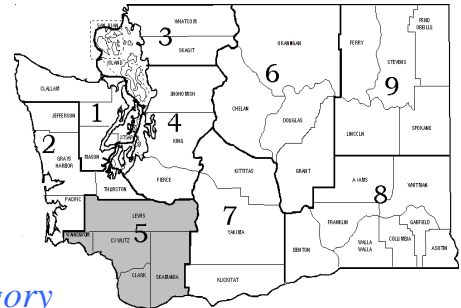
* Seattle Fire Department's Summary Data can be found on page 7.

Region 4 Reporting Status

	<i>Incidents</i>	<i>Exposures</i>	<i>Aid Given</i>	<i>Total Incidents</i>	<i>Dollar Loss</i>
Snohomish	Snohomish #7, Clearview	71	0	3	74 \$793,950
	Snohomish #1	11,457	2	1,031	12,488 \$1,102,667
	Snohomish #4, Snohomish	1	0	0	1 \$0
	Snohomish #5, Sultan/Startup	34	0	6	40 \$20,000
	Snohomish #8, Lake Stevens	36	0	2	38 \$1,307
	Snohomish #10, Bothell	0	0	0	0 \$0
	Snohomish #14, Stanwood	603	0	162	765 \$63,400
	Snohomish #15, Tulalip Bay	30	0	4	34 \$10,000
	Snohomish #16, Lake Roesiger	10	0	0	10 \$7,500
	Snohomish #17, Granite Falls	1,255	0	106	1,361 \$191,500
	Snohomish #18, Bryant	163	0	51	214 \$0
	Snohomish #19, Silvana	0	0	0	0 \$0
	Snohomish #21, Arlington	0	0	0	0 \$0
	Snohomish #22, Getchell	12	0	3	15 \$0
	Snohomish #23, Robe Valley	96	0	0	96 \$413,500
	Snohomish/Skagit #24, Darrington	1	0	0	1 \$0
	Snohomish #25, Oso	16	0	2	18 \$0
	Snohomish #26, Gold Bar	32	0	32	64 \$268,000
	Snohomish #27, Gedney/Hat Island	0	0	0	0 \$0
	Snohomish #28, Index	141	0	35	176 \$0
	Snohomish County Fire Marshal's Office	5	0	328	333 \$0
	Arlington	470	0	35	505 \$359,350
	Darrington	6	0	1	7 \$0
	Edmonds	0	0	3	3 \$0
	Everett	2,443	1	14	2,457 \$35,000
	Lynnwood	0	0	0	0 \$0
	Marysville	7,450	0	376	7,826 \$242,250
	Monroe/Snohomish #3, Monroe	0	0	0	0 \$0
	Mount Lake Terrace	83	0	3	86 \$0
	Mukilteo	0	0	0	0 \$0
	Stanwood	783	0	159	942 \$536,020
	Total	25,198	3	2,356	27,554 \$4,044,444
	Grand Total	192,441	44	14,227	206,668 \$49,513,120

Region 5

Region 5 is comprised of Clark, Cowlitz, Lewis, Skamania, and Wahkiakum counties. In 2003, 60% of the fire agencies reported incident data to the Office of the State Fire Marshal.



Incidents by Category

<i>Incident Type Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Fire	1,529	5%	\$5,854,967	99%
Overpressure Rupture, Explosion, Overheat (No Fire)	65	0%	\$100	0%
Rescue and Emergency Medical Service	17,777	64%	\$26,100	0%
Hazardous Condition	660	2%	\$9,628	0%
Service Call	1,359	5%	\$5,600	0%
Good Intent Call	4,516	16%	\$2,250	0%
False Alarm & False Calls	906	3%	\$0	0%
Fire Protection System Malfunction	507	2%	\$3,000	0%
Unintentional Fire Protection System Activation	480	2%	\$8,500	0%
Severe Weather and Natural Disaster	14	0%	\$0	0%
Other Type of Incident	113	0%	\$1,500	0%
Undetermined	2	0%	\$0	0%
Grand Total	27,928	100%	\$5,911,645	100%

Fire Incidents by Category

<i>Fires by Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Structures	423	28%	\$4,854,587	83%
Vehicles	312	20%	\$611,740	10%
Fixed Mobile Property	20	1%	\$263,750	5%
Natural Vegetation	405	26%	\$16,900	0%
Outside Storage & Equipment	59	4%	\$6,890	0%
Outside Rubbish	192	13%	\$4,250	0%
Cultivated Vegetation	1	0%	\$0	0%
Fire Other	117	8%	\$96,850	2%
Grand Total	1,529	100%	\$5,854,967	100%

Fire Incidents by Property Use

<i>Property Use Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Total</i>
Residential	507	33%	\$3,126,572	53%
Storage	27	2%	\$1,830,500	31%
Manufacturing, Processing	12	1%	\$174,700	3%
Assembly	22	1%	\$78,000	1%
Other Property Use	90	6%	\$46,200	1%
Industrial, Utility, Defense, Agriculture, Mining	13	1%	\$21,600	0%
Mercantile, Business	46	3%	\$13,750	0%
Educational	14	1%	\$2,250	0%
Health Care, Detention, and Corrections	9	1%	\$0	0%
Outside or Special Property	708	46%	\$511,265	9%
None	60	4%	\$39,730	1%
Undetermined	20	1%	\$10,400	0%
Grand Total	1,528*	100%	\$5,854,967	100%

*Property Use not reported in 1 incident.

Region 5

Area of Origin

<i>Area of Origin</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Storage Areas	47	5%	\$2,272,450	39%
Common Areas	121	12%	\$1,637,087	28%
Vehicle Area	269	26%	\$686,340	12%
Structural	54	5%	\$462,150	8%
Exiting System	9	1%	\$68,150	1%
Outside Area	372	36%	\$53,890	1%
Technical Processing Area	5	0%	\$31,700	1%
Service and Equipment	21	2%	\$10,500	0%
Assembly or Sales Area	3	0%	\$6,510	0%
Other Areas	20	2%	\$34,000	1%
Undetermined	104	10%	\$490,300	9%
Grand Total	1,025	100%	\$5,753,077	100%

Confined Fires

<i>Confined Fires</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Chimney or flue fire, confined to chimney or flue	95	43%	\$17,960	58%
Trash, rubbish, commercial compactor	68	31%	\$6,675	22%
Cooking fire, confined to container	57	26%	\$6,320	20%
Grand Total	220	100%	\$30,955	100%

Heat Source

<i>Heat Source</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Operating Equipment	128	12%	\$1,825,925	32%
Radiated or conducted heat from operating equipment	62	6%	\$358,965	6%
Smoking Materials	41	4%	\$308,000	5%
Matches & Lighters	35	3%	\$200,000	3%
Ashes, Embers, Other Hot Materials	145	14%	\$183,475	3%
Flare, Fusee, Torch	13	1%	\$142,050	2%
Chemicle or Natural	9	1%	\$62,500	1%
Arcing	35	3%	\$52,312	1%
Candles	12	1%	\$21,610	0%
Explosives & Fireworks	42	4%	\$19,350	0%
Backfire from vehicle	1	0%	\$0	0%
Multiple Heat Sources	5	0%	\$15,500	0%
Heat Source Other	74	7%	\$365,900	6%
Undetermined	423	41%	\$2,197,490	38%
Grand Total	1,025	100%	\$5,753,077	100%

Region 5 Reporting Status

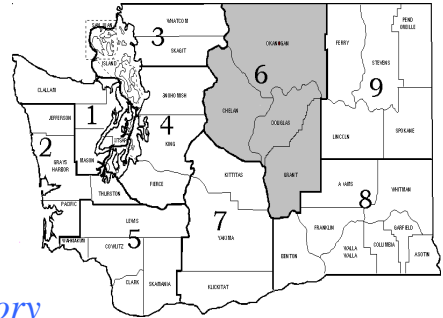
		<i>Incident</i>	<i>Exposures</i>	<i>Aid</i>	<i>Total</i>	<i>Dollar</i>
				<i>Given</i>	<i>Incidents</i>	<i>Loss</i>
Clark	Clark #1, Washougal	83	0	57	140	\$0
	Clark #3, Brush Prairie	1,059	0	69	1,128	\$356,260
	Clark #6, Hazel Dell	4,550	0	111	4,661	\$315,560
	Clark #9, Fern Prairie	406	0	22	428	\$200
	Clark #10, Amboy	4	0	0	4	\$0
	Clark #11, Battle Ground	385	0	7	392	\$0
	Clark #12, Ridgefield	0	0	0	0	\$0
	Clark #13, Yacolt	101	0	27	128	\$15,000
	Camas	0	0	0	0	\$0
	Vancouver	9,444	0	49	9,493	\$764,800
	Washougal	0	0	0	0	\$0
	Total	16,032	0	342	16,374	\$1,451,820
Cowlitz	Cowlitz #1, Woodland	306	0	1	307	\$15,000
	Cowlitz#2, Kelso	4,129	1	249	4,378	\$1,388,075
	Cowlitz #3, Toutle	0	0	0	0	\$0
	Cowlitz #4, Ryderwood	88	0	0	88	\$6,000
	Cowlitz #5, Kalama	17	0	5	22	\$1,800
	Cowlitz #6/Castle Rock	340	0	20	360	\$408,175
	Cowlitz/Skamania #7, Ariel	0	0	0	0	\$0
	Longview	4,550	0	23	4,573	\$624,512
	Woodland/Clark #2, Woodland	710	0	43	753	\$82,913
	Total	10,140	1	341	10,481	\$2,526,475
Lewis	Lewis #1, Onalaska	0	0	0	0	\$0
	Lewis #2, Toledo	354	0	3	357	\$0
	Lewis #3, Mossyrock	2	0	1	3	\$0
	Lewis #4, Morton	80	0	152	232	\$1,519,500
	Lewis #5, Napavine	1	0	0	1	\$0
	Lewis #6, Chehalis	0	0	0	0	\$0
	Lewis #7, Vader	146	0	4	150	\$0
	Lewis #8, Salkum	2	0	1	3	\$0
	Lewis #9, Mineral	30	0	4	34	\$0
	Lewis #10, Packwood	0	0	0	0	\$0
	Lewis #11, Pe Ell	8	0	4	12	\$26,000
	Lewis #12, Centralia	0	0	0	0	\$0
	Lewis #13, Curtis	0	0	0	0	\$0
	Lewis #14, Randle	59	0	10	69	\$18,500
	Lewis #15, Winlock	571	0	17	588	\$0
	Lewis #16, Doty/Dryad/Meskill	0	0	0	0	\$0
	Lewis #17, Big Creek	0	0	0	0	\$0
	Lewis #18, Glenoma	0	0	0	0	\$0
	Centralia	176	0	5	181	\$214,200
	Chehalis	168	0	11	179	\$155,150
	Morton	0	0	0	0	\$0
	Pe Ell	0	0	0	0	\$0
	Total	1,597	0	212	1,809	\$1,933,350

Region 5 Reporting Status

		<i>Incidents</i>	<i>Exposures</i>	<i>Aid Given</i>	<i>Total Incidents</i>	<i>Dollar Loss</i>
Skamania	Skamania #1, Carson	83	0	16	99	\$0
	Skamania #3, Underwood	0	0	0	0	\$0
	Skamania #4, Washougal	46	0	3	49	\$0
	Skamania #5, Skamania	6	0	1	7	\$0
	Skamania #6, Cougar	0	0	0	0	\$0
	North Bonneville	0	0	0	0	\$0
	Stevenson/Skamania #2, Stevenson	1	0	0	1	\$0
	Mill-A Volunteers	0	0	0	0	\$0
	Total	136	0	20	156	\$0
Wahkiakum	Wahkiakum #1, Cathlamet	0	0	0	0	\$0
	Wahkiakum #2, Skamokawa	0	0	0	0	\$0
	Wahkiakum #3, Grays River	0	0	0	0	\$0
	Wahkiakum #4, Cathlamet	19	0	12	31	\$0
	Cathlamet	4	0	3	7	\$0
	Total	23	0	15	38	\$0
Grand Total		27,928	1	930	28,858	\$5,911,645

Region 6

Region 6 is comprised of Chelan, Douglas, Grant, and Okanogan counties. In 2003, 41% of the fire agencies submitted incident data to the Office of the State Fire Marshal.



Incidents by Category

<i>Incident Type Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Fire	1,000	20%	\$9,396,229	98%
Overpressure Rupture, Explosion, Overheat (No Fire)	39	1%	\$50,300	1%
Rescue and Emergency Medical Service	2,622	52%	\$50,850	1%
Hazardous Condition	273	5%	\$52,055	1%
Service Call	151	3%	\$25,410	0%
Good Intent Call	485	10%	\$0	0%
False Alarm & False Calls	164	3%	\$0	0%
Fire Protection System Malfunction	134	3%	\$1,200	0%
Unintentional Fire Protection System Activation	139	3%	\$10,000	0%
Severe Weather and Natural Disaster	1	0%	\$0	0%
Other Type of Incident	7	0%	\$0	0%
Undetermined	1	0%	\$0	0%
Grand Total	5,016	100%	\$9,586,044	100%

Fire Incidents by Category

<i>Fires by Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Natural Vegetation	347	35%	\$5,341,420	57%
Structures	244	24%	\$3,260,084	35%
Fixed Mobile Property	18	2%	\$414,800	4%
Vehicles	165	17%	\$285,425	3%
Cultivated Vegetation	28	3%	\$36,400	0%
Outside Storage & Equipment	36	4%	\$3,200	0%
Outside Rubbish	116	12%	\$0	0%
Fire Other	46	5%	\$54,900	1%
Grand Total	1,000	100%	\$9,396,229	100%

Fire Incidents by Property Use

<i>Property Use Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Total</i>
Residential	276	28%	\$4,845,984	52%
Outside or Special Property	527	53%	\$2,972,725	32%
Storage	37	4%	\$779,600	8%
Mercantile, Business	22	2%	\$453,300	5%
Industrial, Utility, Defense, Agriculture, Mining	60	6%	\$284,900	3%
Manufacturing, Processing	9	1%	\$41,000	0%
Assembly	18	2%	\$3,200	0%
Educational	15	2%	\$520	0%
Health Care, Detention, and Corrections	6	1%	\$0	0%
Other Property Use	15	2%	\$15,000	0%
None	6	1%	\$0	0%
Undetermined	4	0%	\$0	0%
Grand Total	995*	100%	\$9,396,229	100%

*Property Use was not reported in 5 incidents.

Region 6

Area of Origin

<i>Area of Origin</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Dollar Loss</i>
Structural	45	9%	\$1,761,284	43%
Outside Area	164	31%	\$633,900	16%
Assembly or Sales Area	13	2%	\$400,000	10%
Common Areas	44	8%	\$298,500	7%
Vehicle Area	138	26%	\$205,625	5%
Service and Equipment	18	3%	\$172,000	4%
Exiting System	4	1%	\$157,400	4%
Storage Areas	18	3%	\$131,300	3%
Technical Processing Area	1	0%	\$0	0%
Other Areas	8	2%	\$1,900	0%
Undetermined	68	13%	\$288,500	7%
Grand Total	521	100%	\$4,050,409	100%

Confined Fires

<i>Confined Fires</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Cooking fire, confined to container	29	28%	\$700	100%
Chimney or flue fire, confined to chimney or flue	48	47%	\$0	0%
Trash, rubbish, commercial compactor	22	21%	\$0	0%
Incinerator, fuel burner, boiler	4	4%	\$0	0%
Grand Total	103	100%	\$700	100%

Heat Source

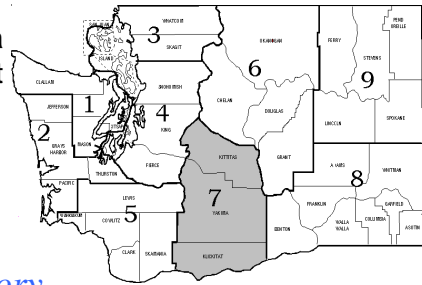
<i>Heat Source</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Radiated or conducted heat from operating equipment	43	8%	\$653,000	16%
Multiple Heat Sources	3	1%	\$470,000	12%
Ashes, Embers, Other Hot Materials	66	13%	\$336,800	8%
Arcing	40	8%	\$141,200	3%
Candles	5	1%	\$120,500	3%
Operating Equipment	54	10%	\$112,900	3%
Explosives & Fireworks	19	4%	\$101,300	3%
Flare, Fusee, Torch	5	1%	\$47,000	1%
Chemicle or Natural	10	2%	\$41,475	1%
Matches & Lighters	10	2%	\$4,200	0%
Heat from Another Fire	0	0%	\$3,500	0%
Smoking Materials	28	5%	\$2,100	0%
Backfire from vehicle	6	1%	\$0	0%
Heat Source Other	26	5%	\$2,300	0%
Undetermined	206	40%	\$2,014,134	50%
Grand Total	521	100%	\$4,050,409	100%

Region 6 Reporting Status

		Incidents	Exposures	Aid Given	Total Incidents	Dollar Loss
Chelan	Chelan #1, Sunnyslope	237	0	74	311	\$334,500
	Chelan #3, Leavenworth	109	0	40	519	\$2,000
	Chelan #4, Ponderosa	4	0	7	11	\$0
	Chelan #5, Manson	49	0	18	67	\$124,984
	Chelan #6, Monitor/Dryden/Cashmere/Peshastin/Blewett Pass	173	0	9	182	\$425,000
	Chelan #7, Chelan/Chelan Falls	64	0	18	82	\$126,215
	Chelan #8, Entiat	0	0	0	0	\$0
	Chelan #9, Lake Wenatchee/Plain	0	0	0	0	\$0
	Cashmere	0	0	0	0	\$0
	Wenatchee	2,045	8	132	2,177	\$851,650
	Total	2,681	8	668	3,349	\$3,004,349
Douglas	Douglas #1 Waterville	0	0	0	0	\$0
	Douglas #2, East Wenatchee/Rock Island	677	9	92	769	\$168,775
	Douglas #3, Grand Coulee	8	0	0	8	\$0
	Douglas #4, Orondo	0	0	0	0	\$0
	Douglas #5, Mansfield	0	0	0	0	\$0
	Douglas #7, Bridgeport	0	0	0	0	\$0
	Douglas #8, Coulee City	0	0	0	0	\$0
	Bridgeport	9	0	0	9	\$9,500
	Total	694	9	92	786	\$178,275
Grant	Grant #3, Quincy	407	0	11	418	\$0
	Grant #4, Warden	0	0	0	0	\$0
	Grant #5, Moses Lake	0	0	0	0	\$0
	Grant #6, Hartline	0	0	0	0	\$0
	Grant #7, Soap Lake	173	0	29	202	\$0
	Grant #8, Mattawa	65	0	13	78	\$171,400
	Grant #10/Royal City	0	0	0	0	\$0
	Grant #11, East Royal Slope	0	0	0	0	\$0
	Grant #12, Wilson Creek	0	0	0	0	\$0
	Grant #13, Ephrata	0	0	0	0	\$0
	Grant #14, Electric City	0	0	0	0	\$0
	Grant #15, Moses Lake	0	0	0	0	\$0
	Coulee City/Dougals #8	25	0	5	30	\$0
	Electric City	16	0	9	25	\$0
	Ephrata	0	0	0	0	\$0
	Grand Coulee	0	0	0	0	\$0
	Hartline	0	0	0	0	\$0
	Krupp/Marin	0	0	0	0	\$0
	Moses Lake	309	6	2	311	\$136,200
	Quincy	117	0	0	117	\$0
	Soap Lake	0	0	0	0	\$0
	Total	1,112	6	69	1,181	\$307,600
Okanogan	Okanogan #2, Elmer City	0	0	0	0	\$0
	Okanogan #3, Malott	58	0	19	77	\$0
	Okanogan #4, Tonasket	0	0	0	0	\$0
	Okanogan #5, Brewster/Pateros/Methow	103	0	9	112	\$5,000
	Okanogan #6, Carlton/Twisp/Winthrop/Mazama	0	0	0	0	\$0
	Okanogan #7, Riverside	0	0	0	0	\$0
	Okanogan #8, Okanogan	0	0	0	0	\$0
	Okanogan #9, Rural Conconully	0	0	0	0	\$0
	Okanogan #10, Loomis	10	0	21	31	\$0
	Okanogan #11, Molson/Chesaw	0	0	0	0	\$0
	Okanogan #12, Tonasket	12	0	0	12	\$70,100
	Brewster	0	0	0	0	\$0
	Coulee Dam	0	0	0	0	\$0
	Nespelem	0	0	0	0	\$0
	Okanogan	97	32	36	133	\$5,688,500
	Omak	185	0	45	230	\$213,220
	Oroville/Okanogan #1, Oroville	63	0	8	71	\$109,000
	Pateros	1	0	0	1	\$0
	Twisp	0	0	0	0	\$0
	Winthrop	0	0	0	0	\$0
	Conconully	0	0	0	0	\$0
	Colville Tribal Emergency Service	0	0	0	0	\$0
	Total	529	32	138	667	\$6,095,820
	Grand Total	5,016	55	967	5,983	\$9,586,044

Region 7

Region 7 is comprised of Kittitas, Klickitat, and Yakima counties. In 2003, 80% of the fire agencies reported incident data to the Office of the State Fire Marshal.



Incidents by Category

<i>Incident Type Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Fire	2,231	11%	\$15,514,635	99%
Hazardous Condition	630	3%	\$106,896	1%
Rescue and Emergency Medical Service	12,911	65%	\$83,200	1%
Overpressure Rupture, Explosion, Overheat (No Fire)	32	0%	\$5,453	0%
Service Call	884	4%	\$2,801	0%
Good Intent Call	1,932	10%	\$645	0%
False Alarm & False Calls	334	2%	\$0	0%
Fire Protection System Malfunction	280	1%	\$0	0%
Unintentional Fire Protection System Activation	434	2%	\$0	0%
Severe Weather and Natural Disaster	7	0%	\$0	0%
Other Type of Incident	79	0%	\$0	0%
Undetermined	31	0%	\$0	0%
Grand Total	19,785	100%	\$15,713,630	100%

Fire Incidents by Category

<i>Fires by Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Structures	604	27%	\$10,292,268	66%
Natural Vegetation	832	37%	\$1,863,105	12%
Outside Storage & Equipment	58	3%	\$1,683,200	11%
Vehicles	385	17%	\$1,329,136	9%
Fixed Mobile Property	21	1%	\$171,275	1%
Cultivated Vegetation	25	1%	\$39,030	0%
Outside Rubbish	138	6%	\$4,470	0%
Fire Other	168	8%	\$132,151	1%
Grand Total	2,231	100%	\$15,514,635	100%

Fire Incidents by Property Use

<i>Property Use Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Total</i>
Residential	627	28%	\$6,151,701	40%
Storage	62	3%	\$3,793,350	24%
Outside or Special Property	1,222	55%	\$3,129,593	20%
Mercantile, Business	39	2%	\$1,160,400	7%
Assembly	27	1%	\$632,270	4%
Manufacturing, Processing	42	2%	\$364,050	2%
Industrial, Utility, Defense, Agriculture, Mining	113	5%	\$242,750	2%
Other Property Use	27	1%	\$21,700	0%
Health Care, Detention, and Corrections	16	1%	\$11,800	0%
Educational	27	1%	\$3,521	0%
None	17	1%	\$0	0%
Undetermined	11	0%	\$3,500	0%
Grand Total	2,230*	100%	\$15,514,635	100%

*Property Use not reported in 1 incident.

Region 7

Area of Origin

<i>Area of Origin</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Storage Areas	38	4%	\$3,387,610	25%
Outside Area	227	21%	\$2,724,606	20%
Common Areas	150	14%	\$1,767,012	13%
Structural	75	7%	\$1,761,000	13%
Vehicle Area	291	27%	\$1,388,936	10%
Assembly or Sales Area	23	2%	\$728,820	5%
Exiting System	11	1%	\$319,900	2%
Service and Equipment	46	4%	\$84,860	1%
Technical Processing Area	5	0%	\$17,000	0%
Other Areas	31	3%	\$42,300	0%
Undetermined	163	15%	\$1,324,900	10%
Grand Total	1,060	100%	\$13,546,944	100%

Confined Fires

<i>Confined Fires</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Cooking fire, confined to container	112	43%	\$21,260	54%
Chimney or flue fire, confined to chimney or flue	79	30%	\$10,850	27%
Incinerator, fuel burner, boiler	9	3%	\$3,800	10%
Trash, rubbish, commercial compactor	63	24%	\$3,616	9%
Grand Total	263	100%	\$39,526	100%

Heat Source

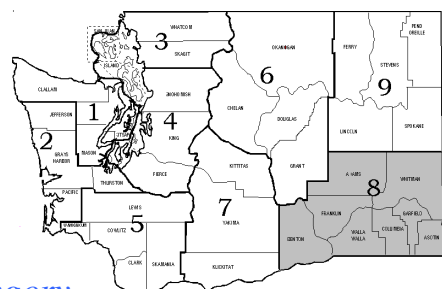
<i>Heat Source</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Ashes, Embers, Other Hot Materials	101	10%	\$2,519,415	19%
Operating Equipment	141	13%	\$1,809,025	13%
Radiated or conducted heat from operating equipment	97	9%	\$1,544,756	11%
Arcing	54	5%	\$553,016	4%
Explosives & Fireworks	34	3%	\$246,351	2%
Smoking Materials	37	3%	\$182,925	1%
Chemicle or Natural	14	1%	\$117,000	1%
Multiple Heat Sources	4	0%	\$75,000	1%
Backfire from vehicle	16	2%	\$74,450	1%
Matches & Lighters	27	3%	\$46,601	0%
Candles	8	1%	\$45,575	0%
Heat from Another Fire	0	0%	\$20,900	0%
Flare, Fusee, Torch	7	1%	\$18,500	0%
Heat Source Other	62	6%	\$507,100	4%
Undetermined	458	43%	\$5,786,330	43%
Grand Total	1,060	100%	\$13,546,944	100%

Region 7 Reporting Status

		<i>Total</i>				
		<i>Incidents</i>	<i>Exposures</i>	<i>Aid Given</i>	<i>Incidents</i>	<i>Dollar Loss</i>
Kittitas	Kittitas #1, Thorp	59	0	3	62	\$28,300
	Kittitas #2, Ellensburg	231	0	61	292	\$1,522,500
	Kittitas #3, Easton	22	0	2	24	\$206,200
	Kittitas #4, Vantage	17	0	0	17	\$0
	Kittitas #6, Lake Cle Elum	25	0	1	26	\$3,000
	Kittitas #7, Rural Cle Elum	133	0	20	153	\$195,500
	Kittitas #8, Lake Kachess	4	0	0	4	\$600,000
	Cle Elum	37	0	9	46	\$18,000
	Ellensburg	2,089	0	34	2,123	\$295,470
	Kittitas	12	0	15	27	\$0
	Roslyn	16	0	5	21	\$17,500
	South Cle Elum	2	0	1	3	\$0
	Total	2,647	0	151	2,798	\$2,886,470
Klickitat	Klickitat #1, Trout Lake	0	0	0	0	\$0
	Klickitat #2, Bickleton	11	0	2	13	\$250
	Klickitat #3, White Salmon	0	0	0	0	\$0
	Klickitat #4, Lyle	8	0	79	87	\$2,500
	Klickitat #5, Centerville	10	0	6	16	\$3,000
	Klickitat #6, Dallesport	0	0	0	0	\$0
	Klickitat #7, Goldendale	152	0	3	155	\$143,725
	Klickitat #8, Glenwood	0	0	0	0	\$0
	Klickitat #9, Roosevelt	0	0	0	0	\$0
	Klickitat #10, Alderdale	0	0	0	0	\$0
	Klickitat #11, Wishram	1	0	0	1	\$0
	Klickitat #12, Klickitat	0	0	0	0	\$0
	Klickitat #13, Appleton	6	0	0	6	\$0
	Klickitat #14, High Prairie	15	0	35	50	\$0
	Bingen	0	0	0	0	\$0
	Goldendale	51	0	0	51	\$367,000
	White Salmon	0	0	0	0	\$0
	Total	254	0	125	379	\$516,475
Yakima	Yakima #3, Naches	52	0	29	81	\$100,000
	Yakima #4, Moxee	664	0	47	711	\$226,360
	Yakima #5, Zillah	2,629	2	44	2,673	\$5,413,565
	Yakima #6, Gleeed	60	0	51	111	\$327,800
	Yakima #7, Glade/Mabton	1	0	0	1	\$28,000
	Yakima #9, Naches Heights	1	0	0	1	\$0
	Yakima #12, West Valley	897	0	75	972	\$68,350
	Yakima #14, Nile/Cliff dell	0	0	0	0	\$0
	Grandview	103	0	1	104	\$0
	Granger	141	0	1	142	\$109,350
	Mabton	98	0	0	98	\$3,525
	Sunnyside	1,023	0	60	1,083	\$133,900
	Tieton	13	0	5	18	\$70,000
	Toppenish	741	4	102	843	\$155,700
	Union Gap/Yakima #11, Broadway	975	0	55	1,030	\$281,390
	Wapato	296	1	0	296	\$101,050
	Yakima	7,939	7	72	8,011	\$4,661,585
	Zillah	294	0	2	296	\$163,610
	Total	16,884	14	641	17,525	\$12,310,685
Grand Total		19,785	14	917	20,702	\$15,713,630

Region 8

Region 8 is comprised of Adams, Asotin, Benton, Columbia, Garfield, Franklin, Walla Walla, and Whitman counties. In 2003, 56% of the fire agencies submitted incident data to the Office of the State Fire Marshal.



Incidents by Category

<i>Incident Type Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Fire	1,689	8%	\$5,488,460	99%
Overpressure Rupture, Explosion, Overheat (No Fire)	48	0%	\$0	0%
Rescue and Emergency Medical Service	12,017	59%	\$9,400	0%
Hazardous Condition	613	3%	\$1,550	0%
Service Call	808	4%	\$4,150	0%
Good Intent Call	2,432	12%	\$200	0%
False Alarm & False Calls	407	2%	\$10,000	0%
Fire Protection System Malfunction	1,294	6%	\$0	0%
Unintentional Fire Protection System Activation	827	4%	\$0	0%
Severe Weather and Natural Disaster	13	0%	\$0	0%
Other Type of Incident	70	0%	\$3,200	0%
Undetermined	3	0%	\$0	0%
Grand Total	20,221	100%	\$5,516,960	100%

Fire Incidents by Category

<i>Fires by Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Structures	424	25%	\$4,579,970	83%
Vehicles	241	14%	\$244,115	4%
Cultivated Vegetation	61	4%	\$210,500	4%
Fixed Mobile Property	32	2%	\$205,250	4%
Natural Vegetation	532	31%	\$204,300	4%
Outside Rubbish	272	16%	\$7,375	0%
Outside Storage & Equipment	63	4%	\$6,750	0%
Fire Other	64	4%	\$30,200	1%
Grand Total	1,689	100%	\$5,488,460	100%

Fire Incidents by Property Use

<i>Property Use Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Total</i>
Storage	42	2%	\$2,913,700	53%
Residential	531	31%	\$1,579,410	29%
Outside or Special Property	859	51%	\$434,365	8%
Industrial, Utility, Defense, Agriculture, Mining	100	6%	\$224,250	4%
Health Care, Detention, and Corrections	16	1%	\$209,360	4%
Mercantile, Business	55	3%	\$121,750	2%
Educational	19	1%	\$1,250	0%
Other Property Use	16	1%	\$500	0%
Assembly	27	2%	\$75	0%
Manufacturing, Processing	8	0%	\$0	0%
None	8	0%	\$3,800	0%
Undetermined	6	0%	\$0	0%
Grand Total	1,687*	100%	\$5,488,460	100%

*Property Use not reported in 2 incidents.

Region 8

Area of Origin

<i>Area of Origin</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Common Areas	126	19%	\$1,289,685	25%
Structural	57	9%	\$437,500	8%
Outside Area	115	17%	\$239,250	5%
Vehicle Area	211	32%	\$214,865	4%
Storage Areas	41	6%	\$176,250	3%
Assembly or Sales Area	16	2%	\$86,750	2%
Exiting System	6	1%	\$50,800	1%
Service and Equipment	30	5%	\$4,500	0%
Technical Processing Area	3	0%	\$1,250	0%
Other Areas	14	2%	\$2,100	0%
Undetermined	39	6%	\$2,743,700	52%
Grand Total	658	100%	\$5,246,650	100%

Confined Fires

<i>Confined Fires</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Cooking fire, confined to container	80	45%	\$1,085	38%
Chimney or flue fire, confined to chimney or flue	32	18%	\$1,000	35%
Incinerator, fuel burner, boiler	4	2%	\$750	26%
Trash, rubbish, commercial compactor	60	34%	\$0	0%
Grand Total	176	100%	\$2,835	100%

Heat Source

<i>Heat Source</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Radiated or conducted heat from operating equipment	101	15%	\$430,115	8%
Chemicle or Natural	24	4%	\$378,700	7%
Matches & Lighters	27	4%	\$369,035	7%
Ashes, Embers, Other Hot Materials	68	10%	\$247,800	5%
Smoking Materials	30	5%	\$244,900	5%
Operating Equipment	123	19%	\$125,200	2%
Candles	10	2%	\$63,000	1%
Heat from Another Fire	0	0%	\$61,450	1%
Arcing	52	8%	\$24,200	0%
Multiple Heat Sources	1	0%	\$2,500	0%
Explosives & Fireworks	4	1%	\$1,000	0%
Flare, Fusee, Torch	10	2%	\$1,000	0%
Backfire from vehicle	7	1%	\$0	0%
Heat Source Other	32	5%	\$13,600	0%
Undetermined	169	26%	\$3,284,150	63%
Grand Total	658	100%	\$5,246,650	100%

Region 8 Reporting Status

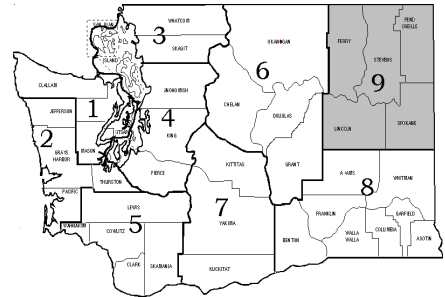
		<i>Incidents</i>	<i>Exposures</i>	<i>Aid Given</i>	<i>Total Incidents</i>	<i>Dollar Loss</i>
Adams	Adams #1, Ritzville	0	0	0	0	\$0
	Adams #2, Lind	0	0	0	0	\$0
	Adams #3, Odessa	0	0	0	0	\$0
	Adams #4, Lamont/Ritzville	0	0	0	0	\$0
	Adams #5, Othello	132	0	4	136	\$0
	Adams #6, Benge	0	0	0	0	\$0
	Adams #7, Washtucna	0	0	0	0	\$0
	Lind	0	0	0	0	\$0
	Othello	57	0	0	57	\$0
	Ritzville	0	0	0	0	\$0
	Total	189	0	4	193	\$0
Asotin	Asotin #1, Clarkston	201	0	24	225	\$0
	Asotin	11	0	5	16	\$0
	Clarkston	152	0	17	169	\$0
	Total	364	0	46	410	\$0
Benton	Benton #1, Kennewick	1,021	8	35	1,056	\$226,550
	Benton #2, Benton City	464	0	84	548	\$65,150
	Benton #3, Prosser	241	0	7	248	\$6,100
	Benton #4, West Richland	533	5	39	572	\$344,685
	Benton #5, Horse Haven	0	0	0	0	\$0
	Benton #6, Plymouth/Sandpiper/Crowe					
	Butte/Paterson/Sunheaven	0	0	0	0	\$0
	Kennewick	6,913	5	108	7,021	\$787,550
	Prosser	95	0	2	97	\$2,500
	Richland	3,874	2	78	3,952	\$150,800
	Hanford	1,155	0	46	1,201	\$0
	Total	14,296	20	399	14,695	\$1,583,335
Columbia	Columbia #1, Starbuck	9	0	2	11	\$84,000
	Columbia #3, Dayton	0	0	0	0	\$0
	Dayton	0	0	0	0	\$0
	Total	9	0	2	11	\$84,000
Franklin	Franklin #1, Connell	42	0	0	42	\$224,050
	Franklin #2, Kahlottus	0	0	0	0	\$0
	Franklin #3, Pasco	254	0	15	269	\$85,000
	Franklin #4, Basin City	0	0	0	0	\$0
	Connell	19	0	0	19	\$83,700
	Pasco	16	0	0	16	\$35,000
	Mesa	0	0	0	0	\$0
	Total	331	0	15	346	\$427,750
Garfield	Garfield #1, Pomeroy	18	0	0	18	\$0
	Total	18	0	0	18	\$0

Region 8

		<i>Incidents</i>	<i>Exposures</i>	<i>Aid Given</i>	<i>Total Incidents</i>	<i>Dollar Loss</i>
Walla Walla	Walla Walla #1, Clyde	0	0	0	0	\$0
	Walla Walla/Columbia #2	43	0	11	54	\$9,350
	Walla Walla #3, Eureka	0	0	0	0	\$0
	Walla Walla #4, Walla Walla	561	0	39	600	\$25,000
	Walla Walla #5, Burbank	232	0	14	246	\$0
	Walla Walla #6, Touchet	0	0	0	0	\$0
	Walla Walla #7, Prescott	0	0	0	0	\$0
	Walla Walla #8, Dixie	0	0	0	0	\$0
	College Place	677	0	12	689	\$17,000
	Prescott	0	0	0	0	\$0
	Waitsburg	12	0	0	12	\$0
	Walla Walla	1,621	8	12	1,633	\$3,192,060
	Total	3,146	8	88	3,234	\$3,243,410
Whitman	Rosalia	5	0	0	5	\$2,950
	Whitman #1, Tekoa	7	0	2	9	\$0
	Whitman #2, Saint John	16	0	0	16	\$0
	Whitman #4, Palouse	16	0	1	17	\$0
	Whitman #5, Lamont	8	0	0	8	\$0
	Whitman #6, Endicott	0	0	0	0	\$0
	Whitman #7, Rosalia	13	0	10	23	\$79,100
	Whitman #8, LaCrosse/Hooper	0	0	0	0	\$0
	Whitman #10/Oaksdale/Farmington	51	0	1	52	\$400
	Whitman #11, Albion/Colfax/Diamond/Steptoe	13	0	1	14	\$900
	Whitman #12, Pullman	0	0	0	0	\$0
	Whitman #13, Wilcox/Onecho/Dusty	0	0	0	0	\$0
	Whitman #14, Colton	70	0	7	77	\$0
	Albion	0	0	0	0	\$0
	Colfax	194	0	11	205	\$21,400
	Colton	5	0	65	70	\$14,000
	Garfield	0	0	0	0	\$0
	LaCrosse	0	0	0	0	\$0
	Malden	21	0	0	21	\$0
	Palouse	0	0	0	0	\$0
	Pullman	1,133	0	214	1,347	\$53,065
	Saint John	0	0	0	0	\$0
	Tekoa	14	0	0	14	\$2,100
	Uniontown	0	0	0	0	\$0
	Washington Sate University	302	0	26	328	\$4,550
	Total	1,868	0	338	2,206	\$178,465
Grand Total		20,221	28	892	21,113	\$5,516,960

Region 9

Region 9 is comprised of Ferry, Lincoln, Pend Oreille, Spokane and Stevens counties. In 2003, 60% of the fire agencies reported incident data to the Office of the State Fire Marshal.



Incidents by Category

<i>Incident Type Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Fire	1,950	5%	\$13,849,360	99%
Hazardous Condition	1,596	4%	\$74,450	1%
Rescue and Emergency Medical Service	24,373	67%	\$56,050	0%
Service Call	2,141	6%	\$32,920	0%
Overpressure Rupture, Explosion, Overheat (No Fire)	69	0%	\$9,550	0%
Unintentional Fire Protection System Activation	1,035	3%	\$500	0%
Fire Protection System Malfunction	850	2%	\$300	0%
Good Intent Call	2,696	7%	\$0	0%
False Alarm & False Calls	717	2%	\$0	0%
Severe Weather and Natural Disaster	14	0%	\$0	0%
Other Type of Incident	866	2%	\$4,550	0%
Undetermined	40	0%	\$0	0%
Grand Total	36,347	100%	\$14,027,680	100%

Fire Incidents by Category

<i>Fires by Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Structures	570	29%	\$13,061,875	94%
Vehicles	347	18%	\$413,065	3%
Fixed Mobile Property	28	1%	\$185,300	1%
Natural Vegetation	531	27%	\$63,125	0%
Outside Rubbish	264	14%	\$15,445	0%
Outside Storage & Equipment	68	3%	\$9,800	0%
Cultivated Vegetation	18	1%	\$0	0%
Fire Other	124	6%	\$100,750	1%
Grand Total	1,950	100%	\$13,849,360	100%

Fire Incidents by Property Use

<i>Property Use Category</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Total</i>
Residential	671	34%	\$6,231,840	45%
Manufacturing, Processing	24	1%	\$3,359,500	24%
Mercantile, Business	77	4%	\$2,757,620	20%
Storage	72	4%	\$821,700	6%
Outside or Special Property	898	46%	\$596,125	4%
Industrial, Utility, Defense, Agriculture, Mining	73	4%	\$36,700	0%
Other Property Use	31	2%	\$20,125	0%
Assembly	26	1%	\$13,550	0%
Educational	32	2%	\$6,200	0%
Health Care, Detention, and Corrections	11	1%	\$4,200	0%
None	17	1%	\$1,700	0%
Undetermined	17	1%	\$100	0%
Grand Total	1,949	100%	\$13,849,360	100%

Region 9

Area of Origin

<i>Area of Origin</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Service and Equipment	34	3%	\$3,496,375	26%
Common Areas	142	11%	\$2,641,810	19%
Storage Areas	59	5%	\$2,341,950	17%
Outside Area	448	36%	\$2,181,750	16%
Structural	105	8%	\$1,145,995	8%
Assembly or Sales Area	14	1%	\$375,600	3%
Vehicle Area	325	26%	\$373,165	3%
Exiting System	11	1%	\$224,500	2%
Technical Processing Area	5	0%	\$202,500	1%
Other Areas	22	2%	\$5,600	0%
Undetermined	81	7%	\$666,500	5%
Grand Total	1,246	100%	\$13,655,745	100%

Confined Fires

<i>Confined Fires</i>	<i>Frequency</i>	<i>% of Frequency</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Chimney or flue fire, confined to chimney or flue	77	36%	\$45,775	46%
Cooking fire, confined to container	100	46%	\$43,545	43%
Trash, rubbish, commercial compactor	31	14%	\$9,450	9%
Incinerator, fuel burner, boiler	8	4%	\$1,500	1%
Grand Total	216	100%	\$100,270	100%

Heat Source

<i>Heat Source</i>	<i>Frequency</i>	<i>% of Freq</i>	<i>Dollar Loss</i>	<i>% of Loss</i>
Operating Equipment	152	12%	\$1,747,790	13%
Ashes, Embers, Other Hot Materials	171	14%	\$1,010,000	7%
Radiated or conducted heat from operating equipment	75	6%	\$617,200	5%
Smoking Materials	78	6%	\$593,950	4%
Arcing	72	6%	\$235,025	2%
Matches & Lighters	67	5%	\$188,400	1%
Candles	20	2%	\$105,300	1%
Flare, Fusee, Torch	11	1%	\$90,850	1%
Explosives & Fireworks	46	4%	\$62,700	0%
Multiple Heat Sources	12	1%	\$60,300	0%
Heat from Another Fire	0	0%	\$400	0%
Backfire from vehicle	6	0%	\$0	0%
Chemicle or Natural	24	2%	\$0	0%
Heat Source Other	38	3%	\$325,550	2%
Undetermined	474	38%	\$8,618,280	63%
Grand Total	1,246	100%	\$13,655,745	100%

Region 9 Reporting Status

					<i>Total</i>	
		<i>Incidents</i>	<i>Exposures</i>	<i>Aid Given</i>	<i>Incidents</i>	<i>Dollar Loss</i>
Ferry	Ferry #3, Orient	132	0	0	132	\$100
	Ferry #13, Republic	12	0	0	12	\$3,250,200
	Ferry #14, Curlew	0	0	0	0	\$0
	Total	144	0	0	144	\$3,250,300
Lincoln	Lincoln #1, Sprague	25	0	0	25	\$94,300
	Lincoln #3, Odessa	25	0	3	28	\$3,000
	Lincoln #4, Reardan/Edwall/Long Lake	97	0	10	107	\$140,175
	Lincoln #5, Davenport	0	0	0	0	\$0
	Lincoln #6, Harrington	0	0	0	0	\$0
	Lincoln #7, Wilbur	10	0	2	12	\$100
	Lincoln #8, Almira	8	0	5	13	\$6,000
	Lincoln #9, Grand Coulee	0	0	0	0	\$0
	Almira	20	0	3	23	\$0
	Creston	0	0	0	0	\$0
	Davenport	2	0	0	2	\$0
	Odessa	3	0	0	3	\$500
	Wilbur	0	0	0	0	\$0
	Total	190	0	23	213	\$244,075
Pend Oreille	Pend Oreille #1, Elk	0	0	0	0	\$0
	Pend Oreille #3, New port	14	0	8	22	\$125,000
	Pend Oreille #4, New port	0	0	0	0	\$0
	Pend Oreille #5, Ousick	15	0	2	17	\$0
	Pend Oreille #6, New port	3	0	1	4	\$0
	Pend Oreille #8, New port	12	1	0	12	\$140,200
	Pend Oreille #2, Metaline Falls	0	0	0	0	\$0
	Pend Oreille #7, Ferile Valley	8	0	1	9	\$1,040,000
	Ousick	0	0	0	0	\$0
	lone	0	0	0	0	\$0
	Metaline	0	0	0	0	\$0
	Metaline Falls	6	0	0	6	\$0
	New port	24	0	0	24	\$0
	Total	82	1	12	94	\$1,305,200

Region 9 Reporting Status

		Incidents	Exposures	Aid Given	Total Incidents	Dollar Loss
Spokane	Spokane #1, Spokane Valley	8,077	0	79	8,156	\$1,013,220
	Spokane #2, Fairfield	30	0	2	32	\$0
	Spokane #3, Spokane	0	0	0	0	\$0
	Spokane #4, Deer Park	0	0	0	0	\$0
	Spokane #5, Nine Mile Falls	32	0	9	41	\$9,400
	Spokane #8, Hangman/Mca/Mbran/Prairie/Ponderosa/Saltese/Valleyford	922	1	91	1,013	\$469,000
	Spokane #9, Mead	2,272	6	67	2,339	\$396,240
	Spokane #10, Airway Heights	665	0	34	699	\$908,700
	Spokane #11, Rockford	0	0	0	0	\$0
	Spokane #12, Latah/Waverly	0	0	0	0	\$0
	Spokane #13, Newman Lake	53	0	1	54	\$0
	Airway Heights	464	0	26	490	\$150
	Cheney	935	0	34	969	\$14,175
	Latah	0	0	0	0	\$0
	Medical Lake	43	0	173	216	\$0
	Millwood	18	0	1	19	\$25
	Spokane	22,189	0	44	22,233	\$5,854,520
	Waverly	0	0	0	0	\$0
	Total	35,700	7	561	36,261	\$8,665,430
Stevens	Stevens #1, Clayton	53	0	2	55	\$0
	Stevens #2, Hunters	26	0	2	28	\$245,250
	Stevens #3, Colville	0	0	0	0	\$0
	Stevens #4, Valley/Chewelah	17	0	5	22	\$0
	Stevens #5, Addy	0	0	0	0	\$0
	Stevens #7, Arden	8	0	1	9	\$89,725
	Stevens #9, Little Pend Oreille Lake	0	0	0	0	\$0
	Stevens #10, Deep Lake	0	0	0	0	\$0
	Stevens #11, Northport	12	0	1	13	\$0
	Stevens #12, Rice/Daisy/Gifford	23	1	3	26	\$220,600
	Chewelah	52	0	3	55	\$7,100
	Colville	0	0	0	0	\$0
	Kettle Falls/Steven #6, Kettle Falls	40	0	3	43	\$0
	Marcus	0	0	0	0	\$0
	Northport	0	0	0	0	\$0
	Total	231	1	20	251	\$562,675
Grand Total		36,347	9	616	36,963	\$14,027,680

Boarding Home Fire Safety Program

In response to a tragic boarding home fire that killed eight people on April 27, 1998, Governor Gary Locke established a Fire Protection Task Force to study fire protection issues in state licensed residential care facilities, and to provide recommendations on how to best address them.

The 25 member task force, chaired by State Fire Marshal Mary Corso, worked diligently to ensure their report to the Governor reflected strategies that would increase fire and life safety without unnecessarily burdening the providers, owners, or residents.



Following the recommendations of the Task Force, the 1999 Washington State Legislature included \$2.5 million dollars in the Capital Budget to assist the 112 non-sprinklered State licensed boarding homes in obtaining funding, through a grant, to retrofit fire sprinklers into their facility. The State Fire Marshal, in consultation with the Department of Social and Health Services, was given the responsibility to implement the grant program.

Many of the boarding homes visited by the initial site evaluation team were older structures with minimal fire protection capabilities, meanwhile serving a resident population with either limited physical or mental capabilities to protect themselves during a fire emergency.

The State Fire Marshal's Office provided assistance to the grant applicants of 46 boarding homes totaling over 390,000 sq. ft. and serving 910 residents, by coordinating the bidding, installation, and payment process between the fire sprinkler contractors and the grant recipients

The size of facilities in the grant program ranged from 2,250 sq. ft. to over 95,000 sq. ft, with the average size being 8,726 sq. ft. The cost associated with the installation of the fire sprinkler systems averaged \$4.85 per sq. ft. In a number of the facilities, grant funds were also provided to update the facilities fire alarm system to allow connection of the fire sprinkler system to the fire alarm system.

This very successful four year boarding home fire sprinkler retrofit grant program ended June 30, 2003. Following the installation and acceptance by the local authority having jurisdiction, each of the 46 facilities that completed their retro-fitted fire sprinkler systems were audited by the Office of the State Fire Marshal for compliance with grant requirements before final payment to the facility was approved.

Deputy State Fire Marshal Larry Glenn

Apartment Fire Started by Fireworks

Kent, Washington

On July 4, 2003 at 7:15 p.m., units from the Kent Fire Department, King County Fire District #40, Maple Valley Fire and Life Safety, and King County Medic One responded to a 2-alarm apartment fire at the Springwood Apartments, located in the 12800 block of SE 275 Street.



Firefighters arrived at a 2-story apartment building where one apartment was fully engulfed with fire and smoke coming from the eaves of the entire roof line. As the first arriving firefighters commenced an aggressive attack on the fire, firefighters from another engine company searched the remaining apartments for occupants and found everyone had safely evacuated.

The fire entered into the attic area and moved horizontally throughout the building. As the roof fire grew in size, firefighters withdrew for the building and a large volume of water was sprayed from an engine mounted deck gun to extinguish the majority of the fire.

Firefighters then re-entered the building and worked to extinguish the remaining fire. Approximately 2 ½ hours later the fire was out.

Eight of the ten apartments contained in the building sustained significant fire damage, displacing 10 families. The American Red Cross assisted a total of 40 residents with emergency housing and food.

The cause of the fire was investigated as an intentionally set fire with the use of fireworks. After following a number of leads which were received on the Arson Tip Line, no charges were filed. The damage from the fire was estimated to be in excess of \$1 million.

Two firefighters were treated for dehydration at the scene. No residents were injured. Seven engines, one ladder truck, one aid car, one medic unit, three command vehicles, and three support vehicles responded to this incident.

Lieutenant Pat Pawlak, Kent Fire Department

Washington State Risk Watch

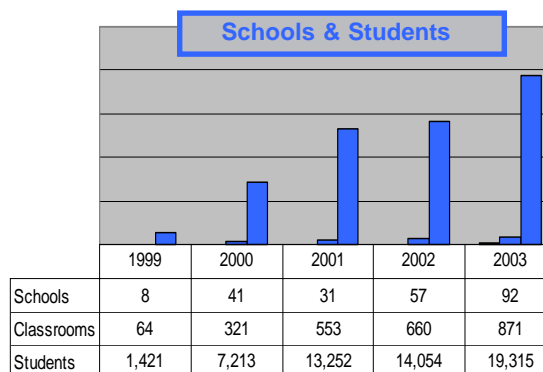
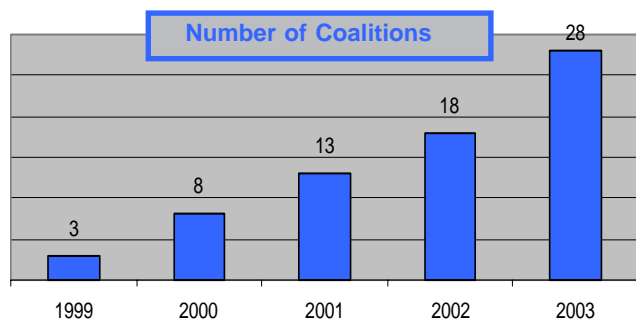
Risk Watch, its logo, and icons are copyrighted by NFPA. 1998. All rights reserved.

Risk Watch in Washington: Risk Watch is a school-based injury prevention program for students in Kindergarten through 8th grade. The curriculum covers the leading eight injuries for children 14 and under: vehicle passenger, falls, fire and burns, choking, poisonings, drowning, bicycle safety and firearm safety. It is designed to be presented by the classroom teacher. A community safety expert may also come in as a guest speaker for a Risk Watch topic. Risk Watch gives children and their families knowledge and skills they need to recognize and avoid risks.

The Washington Risk Watch Management Team is comprised of the Department of Health, Washington Association of Sheriffs and Police Chiefs, Office of the Superintendent of Public Instruction, Snohomish County Fire District #8 and the Office of the State Fire Marshal. We are working together to support community-based efforts that provide education about safety to make a difference in our communities.

Community Coalitions: Risk Watch Community Coalitions were implemented in Washington in 1999 with three coalitions. The State Risk Watch Management Team has successfully added five new coalitions per year, of which 90% have remained active. Currently, there are 28 coalitions across the state.

Schools & Students: Risk Watch is being taught at 92 schools, in 871 classrooms to 19,315 students. There have been 9 documented success incidents in which a child prevented a possible injury by using skills and knowledge they learned during a Risk Watch lesson.



Funding: The National Fire Protection Association provided a \$30,000 grant to provide curriculum, training and supplies to Risk Watch Coalitions. This funding allowed the management team to provide Risk Watch workshops, \$17,000 worth of curriculum, and a Risky Business Kit (a kit of safety supplies or props) to schools.

Successes: The Management Team updated and expanded the Risk Watch book list, a list of children's books with safety messages. A copy of each book was purchased through grant money and reviewed by public educators, librarians and students. The list is now available on-line at www.wsp.wa.gov/fire/fireprev.htm#riskwach.



Juvenile Firesetters Intervention

During 2003, a Juvenile Firesetting Intervention (JFSI) Management Team was developed with the mission to provide effective firesetting intervention services to youth, children and their families. Through a grant from the National Association of State Fire Marshals (NASFM), coalition building training was provided to seven county coalitions from throughout the state. These coalitions include representatives from the fire service, law enforcement, juvenile justice, mental health, and schools. Additional funding provided firesetting intervention workbooks for children and families and a professional handbook as a resource for coalition members.

In the last five years, children with access to ignition devices caused 16 fire fatalities. In these fires, often the child that caused the fire died along with another family member.

Juveniles Fire Fatalities	1999	2000	2001	2002	2003	5-Yr Total
Children with Access to Ignition Device	7	2	0	7	0	16
Fire Loss	Not Available	\$85,000	0	\$170,000	0	\$255,000

Juveniles and Arson	1999	2000	2001	2002	2003	5-Yr Total
Juvenile Arson Arrests	256	299	317	218	Not yet available	1,090

Juvenile arson arrests have decreased 25%. An average of 272 arrests per year over a 4 year period.

The table below represents school fires as reported by local fire jurisdictions to the National Fire Incident Reporting System (NFIRS). There were 361 school fires in 2003, more than double the five year average of 151. The leading ignition sources for school fires in 2003 was matches, lighters and fireworks. Schools should train threat assessment teams and school resource officers to better identify, refer, and monitor the treatment of youths engaged in firesetting behavior. All schools should have policies that forbid youth from carrying lighters or matches on campus.

School Fires	1999	2000	2001	2002	2003	5-Year Total
# of Incidents	89	66	149	88	361	753
Fire Loss	\$18,260	\$1,235,275	\$4,421,002	\$45,121,391	\$824,532	\$17,806,846
Heat Source	-----	-----	Match	Cig. Lighter	Match	

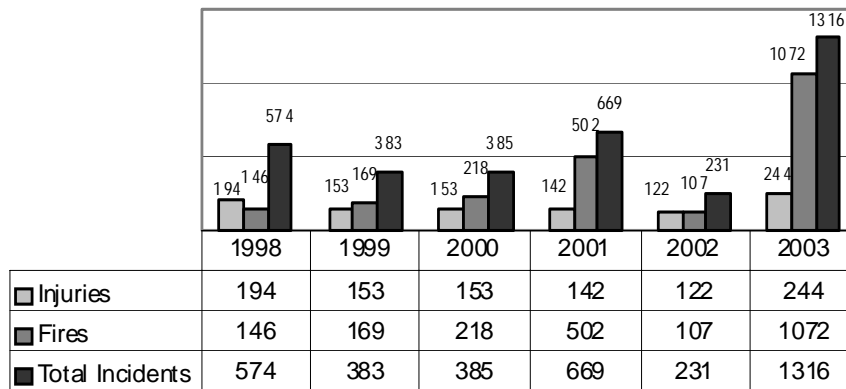
Over the last five years, 197 wildland fires were set by juveniles. Most wildfires burn in the state's most populated areas. It's not that surprising if you look at the [fire statistics](#) for fires that have occurred on DNR protected lands. Over 85% of all fires were caused by people. People start fires, and people can prevent them. Early assessment and intervention is critical. Also critical is information about age-appropriate supervision and fire safety.

Wildland Fires	1999	2000	2001	2002	2003	5-Year Total
Fires Set By Juveniles	47	27	26	43	54	197
Loss	\$74,702.73	\$67,937.92	\$60,736.00	35 acres	32 acres	\$203,376.65 & 67 acres

FIRE
Stoppers
 Children's Fire
 Prevention Network
Of Washington

2003 Fireworks Report

In an effort to prevent fires and injuries in Washington State, fireworks sales and discharge are restricted and some federally legal fireworks are banned. Despite this effort there were 1,316 fireworks related incidents reported to the Office of the State Fire Marshal in 2003 by fire departments and hospital emergency rooms. Of the 1,316 reports, there were 1,072 fires, and 244 injuries. These incidents resulted in over \$2 million in dollar loss.

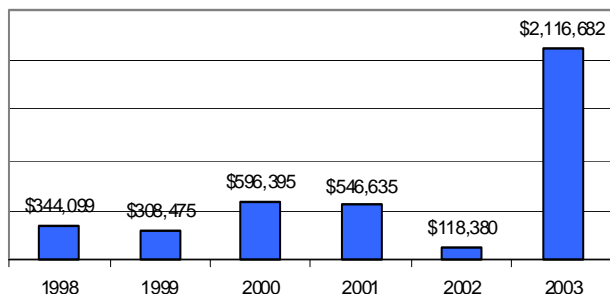


Noteworthy Incidents for 2003 include:

- 14 fireworks-related fires at schools, including one that caused \$62,500 in damages.
- A \$1 million dollar apartment fire that is being investigated as an arson started by fireworks, reported to be a roman candle.
- A \$250,000 loss wildland fire that burned down a barn and contents started by juveniles with a ground spinner.
- 8 structure fires totaling over \$20,000 loss.
- 1 homicide under investigation in which roman candles were involved.
- 1 impaled object in the abdomen from an illegal explosive device consisting of a roman candle and a pipe.
- 5 amputation incidents of hands and fingers, all involving illegal explosive devices, M-80, M-100, a tennis ball and home made devices.

2003 Fireworks Report

Reported Fireworks Dollar Loss from Fire



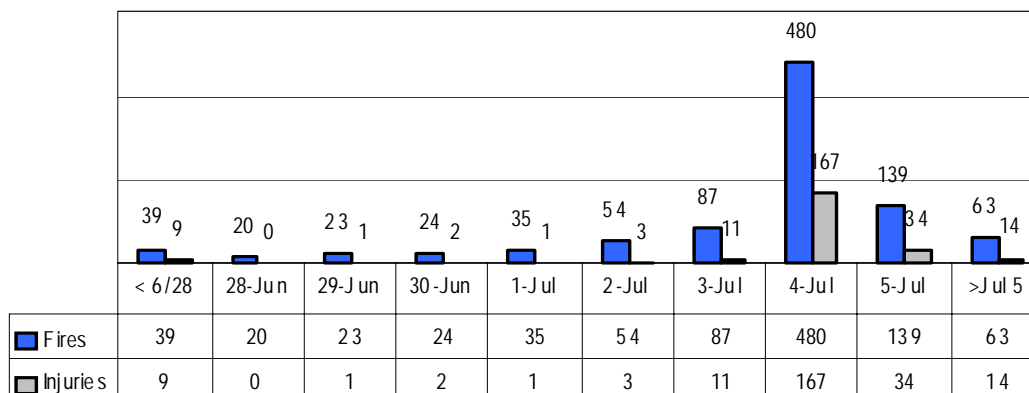
Firework related fires caused an estimated loss of \$2,116,682. Based on the reports received, illegal fireworks were identified as the cause in 33% of all reported firework related fires and caused \$49,680 property loss, or 2% of the estimated total loss from fireworks caused fires. Legal fireworks were identified in 23% of the reported fires, with a loss of \$1,375,630. In the remaining 44% of the fires, the type of fireworks was not identified by the reporting fire department (Table #1).

Type of Fire Table #1	Dollar Loss by Classification of Fireworks Device				Number of Fires by Classification of Device			
	Legal	Illegal	Unidentified	Total	Legal	Illegal	Unidentified	Total
Vegetation/Wildland	\$48,350	\$14,331	\$30,440	\$93,120	176	235	450	861
Residential	\$1,030,450	\$32,625	\$496,526	\$1,560,601	19	29	42	90
Commercial	\$252,750	\$2,550	\$140,380	\$395,680	13	7	12	32
Vehicle	\$30,080	\$100	\$23,000	\$53,180	5	12	25	42
Other/Unknown	\$14,000	\$100	\$0	\$14,100	8	18	225	251
Totals	\$1,375,630	\$50,70	\$690,346	\$2,116,682	221	301	754	1,276

Wildland areas are at great risk from fires caused by fireworks. Of the fire incidents reported, 67% resulted in wildland fires, with a fire loss of \$93,120; 7% were residential with a fire loss of \$1,560,601, and 3% were vehicle fires with a fire loss of \$53,180 (Table #1).

Firework sales and discharge are restricted by State Law to June 28 - July 5 during designated hours. Fires and injuries by date clearly indicate that firework related incidents most often occur on the date that they are most widely used, July 4th. This has remained constant over the past five years.

Fireworks Related Incidents by Date



2003 Fireworks Report

The safest way to prevent fireworks related injuries is to leave fireworks displays to trained professionals.¹ There are over 100 professional displays on the Fourth of July in Washington State, and other Independence Day activities.

Fireworks Incident Reports Received by County

County	Fire Depts Reporting	Reports Received	Hospitals Reporting	Reports Received	Total Injury Incidents	Total Fire Incidents	Total Reports Received
Adams	1	1	0	0	0	1	1
Asotin	0	0	1	2	2	0	2
Benton	1	1	2	2	2	1	3
Chelan	2	11	1	1	1	11	12
Clallam	2	16	2	10	10	16	26
Clark	5	38	1	11	12	37	49
Cowlitz*	4	32	0	0	1	30	32
Douglas*	1	1	0	0	0	0	1
Ferry	0	0	1	2	2	0	2
Franklin	2	5	0	0	0	5	5
Grant***	9	46	0	0	0	43	46
Grays Harbor	5	18	1	9	14	13	27
Island	2	9	5	12	13	8	21
Jefferson	4	4	0	0	0	4	4
King*	26	287	7	47	57	287	345
Kittitas	2	7	0	0	0	7	7
Kitsap	5	84	2	2	8	78	86
Klickitat	1	3	0	0	0	3	3
Lewis	4	16	1	1	2	15	17
Lincoln	5	7	0	0	0	7	7
Mason	5	21	2	2	2	21	23
Okanogan**	5	8	1	1	1	6	9
Pacific*	4	7	2	4	5	5	11
Pierce**	15	184	8	32	41	173	216
Pend Oreille*	1	1	0	0	0	0	1
San Juan	3	9	0	0	0	9	9
Skagit*	5	17	3	9	9	16	26
Skamania	0	0	1	1	1	0	1
Snohomish**	15	112	4	26	31	105	138
Spokane*	6	24	2	2	5	20	22
Stevens	2	2	1	1	1	2	3
Thurston	7	53	1	2	3	52	55
Wahkiakum	1	1	0	0	0	1	1
Walla Walla	3	24	0	0	0	24	24
Whatcom	5	14	1	13	13	14	27
Whitman	1	5	2	7	7	5	12
Yakima	4	71	0	0	1	70	71
Totals	164	1143	52	199	244	1082	1342

*Total includes one Dept. reporting "No Incidents"

**Total includes two Depts. reporting "No Incidents"

***Total includes three Depts. reporting "No Incidents"

¹ National Fire Protection Association, Fireworks are Too Risky, NFPA Position Paper, On Line at <http://www.nfpa.org/Research/NFPAFactSheets/Fireworks/Risky/risky.asp>; printed 11/24/2003

Special Recognition

Lieutenant Pat Pawlak, Kent Fire Department, for submitting an overview of the Apartment Arson Fire Started by Fireworks.

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